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F-23, B-186

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Documents

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PRIVACY ACT MATERIAL REMOVED

Copy of B-7 records, found
GREENHOUSE EXPOSURES recorded in individual rec
records.
Milliroentgens

Name:

Total Exposure
7
175
1,085
7
7
70
70
180
175
70
7
180
7
275
70
280
160
3,417
1,561
2,371
3,392
147
112
70
2,436
469
810

Classification changed to
by authority of the U.S. Atomic Energy Commission,
For
By
(Signature of person making the change, and date)

PRIVACY ACT MATERIAL REMOVED

Name: PRIVACY ACT MATERIAL REMOVED	Total Exposure
	3,632
	56
	224
	408
	1,655
	756
	1,255
	2,657
	1,769
	298
	1,133
	286
	63
	1,022
	5,370
	1,554
	2,923
	3,990
	1,554
	2,688
	2,688
	3,990
	2,688
	3,990
	2,688
	1,554
	1,554

Greenhouse Exposures

COPY
-3-

Name:	Total Exposure
	3,990
PRIVACY ACT MATERIAL REMOVED	3,990
	1,554
	1,554
	3,990
	3,990
	3,990
	3,990
	1,491
	3,990
	3,990
	4,140
	3,640
	4,065
	2,993
	697
	1,540
	3,990
	3,794
	3,990
	3,990
	4,779
	3,374
	1,085
	1,470
	2,905
	1,554

PRIVACY ACT MATERIAL REMOVED

Greenhouse Exposures

COPY
-4-

Name:	Total Exposure
PRIVACY ACT MATERIAL REMOVED	3,990
	3,388
	3,990
	1,526
	3,388
	3,388
	3,990
	4,710
	3,990
	1,554
	3,990
	3,990
	3,990
	4,070
	3,150
	3,388
	3,990
	3,990
	3,990
	2,870
	112
	77
	4,263
	77
	760
	420

[redacted]

PRIVACY ACT MATERIAL REMOVED

Name:	Total Exposure
PRIVACY ACT MATERIAL REMOVED	4,944
	5,310
	3,069
	2,487
	3,700
	6,420
	2,474
	6,056
	8,205
	1,220
	434
	2,215
	434
	1,022
	1,559
	168
	1,022
	704
	861
	2,235
	123
	1,040
	112
	98
	4,966
	8,463
	4,569

PRIVACY ACT MATERIAL REMOVED

Greenhouse Exposures

COPY
-6-

Name	Total Exposure
PRIVACY ACT MATERIAL REMOVED	9,210
	7,280
	4,644
	2,841
	3,990
	6,700
	3,395
	1,040
	9,830
	6,570
	7,064
	8,955
	3,854
	1,554
	1,745
	1,085
	1,639
	1,484
	1,404
	900
	640
	5,313
	6,365
	307
	5,274
	405

OFFICIAL USE ONLY

PRIVACY ACT MATERIAL REMOVED

Name: PRIVACY ACT MATERIAL REMOVED

Total Exposures
5,407
102
5,083
367
3,749
4,344
3,639
7,775
330
702
5,798
407
92
235
3,794
645
5,334
112
2,674
8,230
625
3,668
2,436
2,710

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name	Total Exposures
	182
	2,674
	2,440
	112
	1,554
	2,520
	289
	2,954
	2,660
	1,554
	1,554
	1,554
	7
	2,660
	2,574
	3,388
	2,489
	4,594
	1,324
	4,352
	2,423
	1,554
	162
	2,273
	2,394

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name	Total Exposures
	3,104
	4,861
	2,567
	1,620
	2,472
	5,286
	3,844
	5,071
	1,554
	1,270
	1,554
	1,854
	1,732
	2,544
	1,148
	7
	84
	1,736
	1,547
	602
	602
	147
	3,721
	3,396
	1,736
	1,554

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name	Total Exposures
	1,148
	434
	728
	10,070
	2,150
	8,540
	3,468
	7,706
	3,574
	5.35
	1,924
	4,599
	8,425
	3,990
	840
	3,990
	5,650
	2,567
	4,355
	522
	6,140
	1,647
	1,435
	1,211
	4,134

PRIVACY ACT MATERIAL REMOVED

Name:	Total Exposure
	2,240
	512
	5,515
	1,323
	2,506
	1,769

12/1/56

[redacted]

"GREENHOUSE" EXPOSURES

PRIVACY ACT MATERIAL REMOVED

FB	Ekrd	70% Ekrd	Total
6.08	5.70	3.99	10.07
5.84	5.70	3.99	9.83
5.22	5.70	3.99	9.21
4.97	5.70	3.99	8.96
4.55	5.70	3.99	8.54
5.47	4.28	3.00	8.47
4.44	5.70	3.99	8.43
4.24	5.70	3.99	8.23
4.22	5.70	3.99	8.21
3.79	5.70	3.99	7.78
4.50	4.58	3.21	7.71
3.29	5.70	3.99	7.28
5.71	2.22	1.55	7.26
5.51	2.22	1.55	7.06
3.75	4.50	3.15	6.90
2.90	5.70	3.99	6.89
5.15	2.22	1.55	6.70
2.58	5.70	3.99	6.57
2.43	5.70	3.99	6.42
2.38	5.70	3.99	6.37
2.15	5.70	3.99	6.14
2.26	5.42	3.79	6.05
1.81	5.70	3.99	5.80
1.66	5.70	3.99	5.65

PRIVACY ACT MATERIAL REMOVED

[redacted]

CAUTION

PRIVACY ACT MATERIAL REMOVED

FB	Bkgd	70% bkgd	Total
1.53	5.70	3.99	5.52
2.73	3.82	2.67	5.40
1.54	5.42	3.79	5.33
1.93	4.84	3.39	5.32
1.32	5.70	3.99	5.31
2.08	4.58	3.21	5.29
2.60	3.82	2.67	5.27
1.70	4.84	3.39	5.08
1.87	4.58	3.21	5.07
4.09	1.28	.88	4.97
2.27	3.82	2.67	4.94
1.66	4.58	3.21	4.87
1.41	4.82	3.37	4.78
.72	5.70	3.99	4.71
.85	5.42	3.79	4.64
3.89	1.02	.71	4.60
2.20	3.42	2.39	4.59
3.02	2.22	1.55	4.57
.37	5.70	3.99	4.36
.67	5.26	3.68	4.35
1.67	3.82	2.67	4.34
.88	4.84	3.39	4.27
.15	5.70	3.99	4.14
.34	5.42	3.79	4.13
.08	5.70	3.99	4.07
	5.70	3.99	3.99

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

FB	Bkgd	70% Bkgd	Total
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
.08	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	5.70	3.99	3.99
	4.84	3.39	3.39

PRIVACY ACT MATERIAL REMOVED

CONFIDENTIAL

PRIVACY ACT MATERIAL REMOVED

FB	Fixed	70% Fixed	Total
	5.70	3.99	3.99
	5.70	3.99	3.99
.06	5.42	3.79	3.85
2.29	2.22	1.55	3.84
	5.42	3.79	3.79
	5.42	3.79	3.79
1.08	3.82	2.67	3.75
2.19	2.22	1.55	3.74
.52	4.58	3.21	3.73
2.15	2.22	1.55	3.70
.28	4.84	3.39	3.67
	5.20	3.65	3.65
.24	4.84	3.39	3.63
2.86	1.02	.71	3.57
1.91	2.22	1.55	3.46
.05	4.81	3.36	3.41
.19	4.58	3.21	3.40
	4.85	3.40	3.40
	4.84	3.39	3.39
	4.84	3.39	3.39
	4.84	3.39	3.39
	4.84	3.39	3.39
	4.84	3.39	3.39
	4.82	3.37	3.37
	4.50	3.15	3.15
1.55	2.22	1.55	3.10
.40	3.82	2.67	3.07

CAUTION
This document [illegible] information affecting the National [illegible]
Federal law [illegible]

PRIVACY ACT MATERIAL REMOVED

"Greenhouse" Exposures (Continued)

PRIVACY ACT MATERIAL REMOVED

FB	Blood	70% Blood	Total
	4.28	3.00	3.00
	4.22	2.95	2.95
.24	3.84	2.69	2.93
	4.15	2.91	2.91
.21	3.80	2.66	2.87
1.46	1.98	1.39	2.85
.05	3.80	2.66	2.71
	3.84	2.69	2.69
	3.84	2.69	2.69
	3.84	2.69	2.69
	3.84	2.69	2.69
	3.82	2.67	2.67
	3.82	2.67	2.67
	3.48	2.66	2.66
	3.48	2.66	2.66
.06	3.71	2.60	2.66
1.02	2.21	1.55	2.57
1.02	2.21	1.55	2.57
.11	3.52	2.46	2.57
.99	2.22	1.55	2.54
	3.60	2.52	2.52
	3.58	2.51	2.51
.31	3.12	2.18	2.49
.93	2.22	1.55	2.48
.92	2.22	1.55	2.47
.92	2.22	1.55	2.47
[illegible]	3.13	2.44	2.44

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

FB	Fixed	70% Fixed	Total
	3.48	2.44	2.44
	3.48	2.44	2.44
	3.47	2.43	2.43
.23	3.14	2.20	2.43
	3.42	2.39	2.39
.07	3.29	2.30	2.37
.08	3.14	2.20	2.28
	3.20	2.24	2.24
.74	2.14	1.50	2.24
1.88	.49	.34	2.22
.82	1.90	1.33	2.15
1.00	1.32	.92	1.92
.42	1.90	1.33	1.75
.22	2.22	1.55	1.77
.30	2.22	1.55	1.85
	2.38	1.74	1.74
	2.38	1.74	1.74
.19	2.21	1.55	1.74
.15	2.10	1.47	1.62
.37	1.82	1.27	1.64
.88	1.10	.77	1.65
.10	2.21	1.55	1.65
.51	1.64	1.15	1.66
.95	.87	.61	1.56
	2.22	1.55	1.55
PRIVACY ACT MATERIAL REMOVED	2.22	1.55	1.55
	2.22	1.[illegible]	1.55

This document [illegible] affecting the [illegible] contents in [illegible] prohibited [illegible]

[illegible] ONLY COPIES [illegible]

FB	Fixed	705 Fixed	Total
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.21	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.22	1.55	1.55
	2.20	1.54	1.54
	2.18	1.53	1.53
	2.13	1.49	1.49
.21	1.82	1.27	1.48
	2.10	1.47	1.47
	2.05	1.44	1.44
.13	1.82	1.27	1.40
1.21	.17	.12	1.33
	1.89	1.32	1.32
.43	1.20	.84	1.27
.87	.55	.39	1.26

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

[illegible]

Freehouse Exposures (Continued)

PRIVACY ACT MATERIAL REMOVED

FB	Hand	70% Hand	Total
.88	.49	.34	1.22
	1.73	1.21	1.21
	1.64	1.15	1.15
	1.64	1.15	1.15
.23	1.29	.90	1.13
	1.60	1.12	1.12
	1.55	1.09	1.09
	1.55	1.09	1.09
	1.55	1.09	1.09
.73	.44	.31	1.04
	1.49	1.04	1.04
	1.46	1.02	1.02
	1.46	1.02	1.02
	1.46	1.02	1.02
.36	.87	.61	.97
.90			.90
.12	1.07	.75	.87
	1.20	.84	.84
	1.15	.81	.81
.18	.90	.63	.81
	1.09	.76	.76
	1.08	.76	.76
	1.04	.73	.73
.60	.15	.11	.71
.20	.71	.50	.70
.64			.64
.52	.15	.11	.63

PRIVACY ACT MATERIAL REMOVED

[redacted]

PRIVACY ACT MATERIAL REMOVED

FB	Hard	70% Hard	Total
	.86	.60	.60
	.86	.60	.60
.10	.61	.43	.53
.18	.46	.33	.51
	.67	.47	.47
	.62	.43	.43
	.62	.43	.43
	.62	.43	.43
	.60	.42	.42
.30	.15	.11	.41
.40	.01	.01	.41
.24	.24	.17	.41
.36	.01	.01	.37
.23	.15	.11	.34
.30	.01	.01	.31
.24	.09	.06	.30
.16	.18	.13	.29
.10	.29	.18	.28
.13	.15	.11	.24
	.32	.22	.22
.04	.29	.18	.22
.07	.16	.11	.18
.08	.14	.10	.18
	.29	.18	.18
.08	.14	.10	.18
	.24	.17	.17

PRIVACY ACT MATERIAL REMOVED

"Greenhouse" Exposures (Continued)

PRIVACY ACT MATERIAL REMOVED

FD	Third	70% Third	Total
.07	.14	.10	.17
.05	.16	.11	.16
	.21	.15	.15
	.21	.15	.15
.15			.15
	.17	.12	.12
	.18	.12	.12
	.16	.11	.11
	.16	.11	.11
	.16	.11	.11
	.16	.11	.11
.07	.06	.04	.11
.07	.04	.03	.10
	.14	.10	.10
.05	.06	.04	.09
	.12	.08	.08
	.11	.08	.08
	.11	.08	.08
	.10	.07	.07
	.10	.07	.07
	.10	.07	.07
	.10	.07	.07
	.10	.07	.07
	.08	.06	.06
	.09	.06	.06
	.01	.01	.01

PRIVACY ACT MATERIAL REMOVED

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"Greenhouse" Exposures (Continued)

PRIVACY ACT MATERIAL REMOVED

FB	Fixed	72% Fixed	Total
	.01	.01	.01
	.01	.01	.01
	.01	.01	.01
	.01	.01	.01
	.01	.01	.01
	.01	.01	.01
			None
			None
			none
			None
			None
			None
			None
			None
			None

PRIVACY ACT MATERIAL REMOVED

CAUTION

This docum[illegible] the [illegible] federal laws.

VERIFIED UNCLASSIFIED
NOV - 5 1980

[redacted]

EPARTMENT OF DEFENSE
D FORCES SPECIAL WEAPONS PROJECT
P. O. BOX 2610
WASHINGTON, D. C.

ADDRESS REPLY TO:
THE CHIEF, ARMED FORCES
SPECIAL WEAPONS PROJECT

25 June 1951

UNCLASSIFIED
Classification changed to
by authority of the U. S. Atomic Energy Commission,
Per R. Krebs 12-1-58
(Person authorizing change in classification) (Date)
By Bertha Grant 12-2-58
(Signature of person making the change, and date)

Dr. Thomas N. White
P. O. Box 1663
Los Alamos, New Mexico

Dear Tom:

I am inclosing a copy of the report of external radiation received by personnel on Parry Island as a result of fallout after Shot Item. This material will be contained in the Item Shot report compiled by General Cooney.

Similar data is available for the post-Dog Shot in General Cooney's offical report of Dog Shot addressed to CTG 3.1. This report should be on file with 3.1 at Los Alamos. I do not have an additional copy but have extracted the pertinent data which is hereby included:

Extract of Annex A to Dog Shot of CTU 3.1.5:

"Decay curves indicated a possible component with a 7.7 hour half-life, followed by a $1/T^{1.2}$ law. Assuming a $1/T^{1.2}$ decay and no loss from leaching the maximum dosage expected can be calculated for future times.

Integrated dose to	D + 30 days	2210 mr
	D + 60 days	2705 mr

Film badges were given to a group of monitors in Task Unit 3.1.5 with instructions to wear these at all times except when on missions to other islands. These films were developed on D + 3 days and 10 hours.

Parry - mean 890 mr - range 1,400 to 560
(maximum expected 1,190 mr)
Japtan - mean 1,040 mr - range 1,600 to 825
(maximum expected 1310 mr)

The maximum values for Japtan were estimated from survey meter readings which were about 10% greater than those on Parry Island. No comparable data is available from Eniwetok Island but survey meter readings made early in the fallout showed intensities about two-thirds of those on Parry Island.

[redacted]

Atomic Energy Act 1946

It is evident that some reduction in the integrated dose was obtained by remaining inside except for essential outdoor activities."

Again let me compliment you on your fine work during Operation GREENHOUSE, and the exceptionally fine document entitled "Greenhouse Fallout".

Sincerely,

G. M. McDonnel
Major, MC
Medical Branch

Incls
GMM/mlj

[redacted]

[redacted]

[redacted]

SUBJECT: External Radiation From Fall-Out Following Shot Item

TO: Commander, Task Unit 3.1.5

1. At approximately I + 3 hours and 23 minutes gamma ray recorder at RadSafe building, Parry Island showed a sharp rise followed by a drop to nearly the original reading. This "spike" is interpreted as the result of the passage of an active cloud from which little material fell out. Several other "spikes" of activity appeared during the next few minutes and were followed by a steady rise in activity due to fall-out until about + 4 hours 45 minutes. Fallout started again at + 8 hours and continued until + 13 hours 45 minutes. From + 16 hours the activity decayed according to a $T^{-1.2}$ law.

2. A continuous record of gamma ray intensities have been maintained. The attached curve shows the record connected to mr/hr at an outside location. Starting at + 12 hours integrated doses out of doors have been determined using pocket ion chambers and photographic film badges. These have been placed at locations representative of conditions on Parry Island.

3. The integrated dose out of doors has been determined by numerical integration of the intensity curve in the early phases and from direct dose measurements in the later phases. The cumulative dose curve is attached.

4. An incomplete but reasonably representative survey of Eniwetok Island indicates that the situation there is almost identical with that on Parry. No data are available from Japtan.

5. Assuming that decay continues according to a $T^{-1.2}$ law it is possible to predict total doses for future times. For

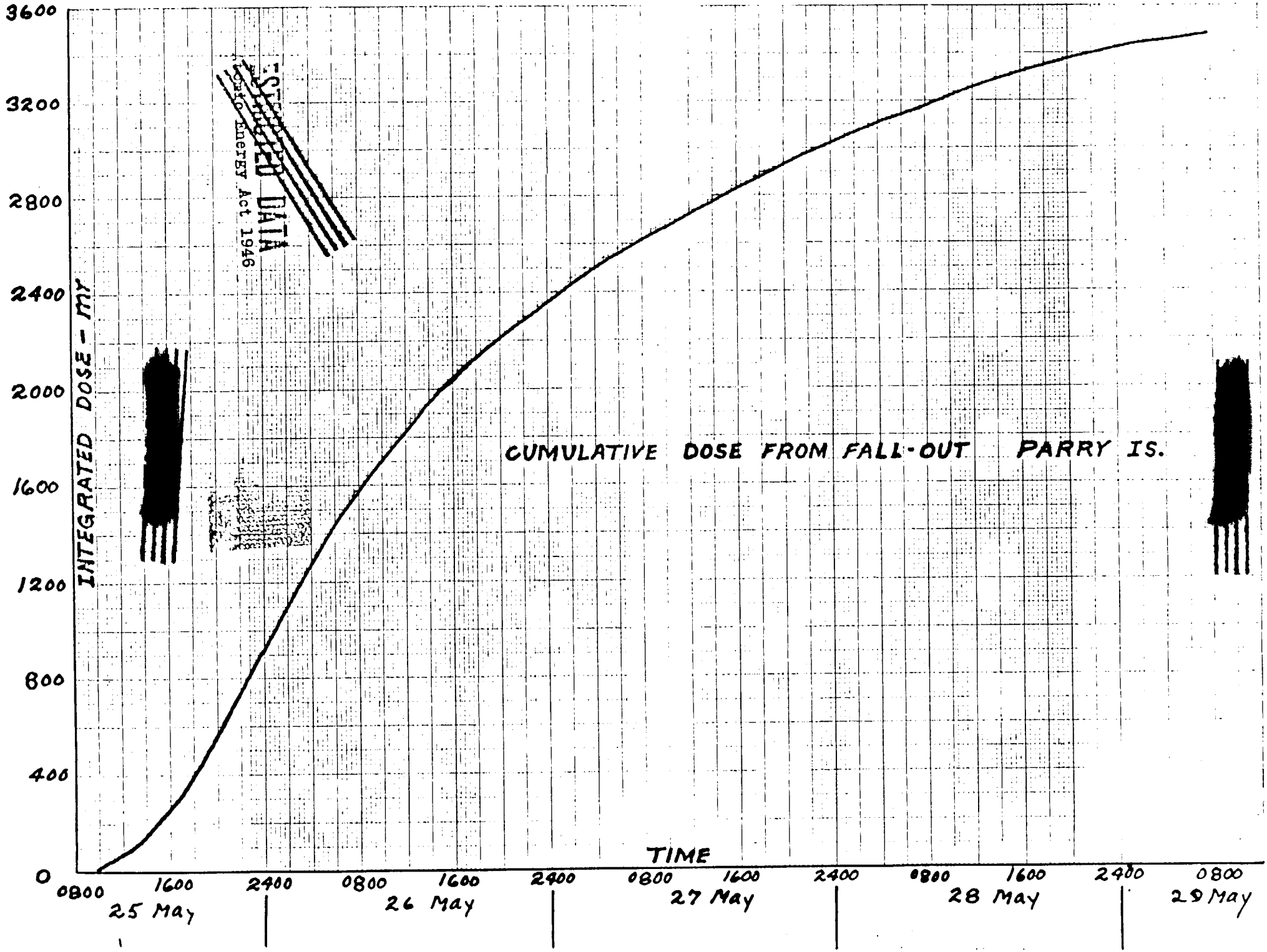
I +15 days total expected dose is 7,370 mr
I +30 days total expected dose is 9,520 mr

[redacted]

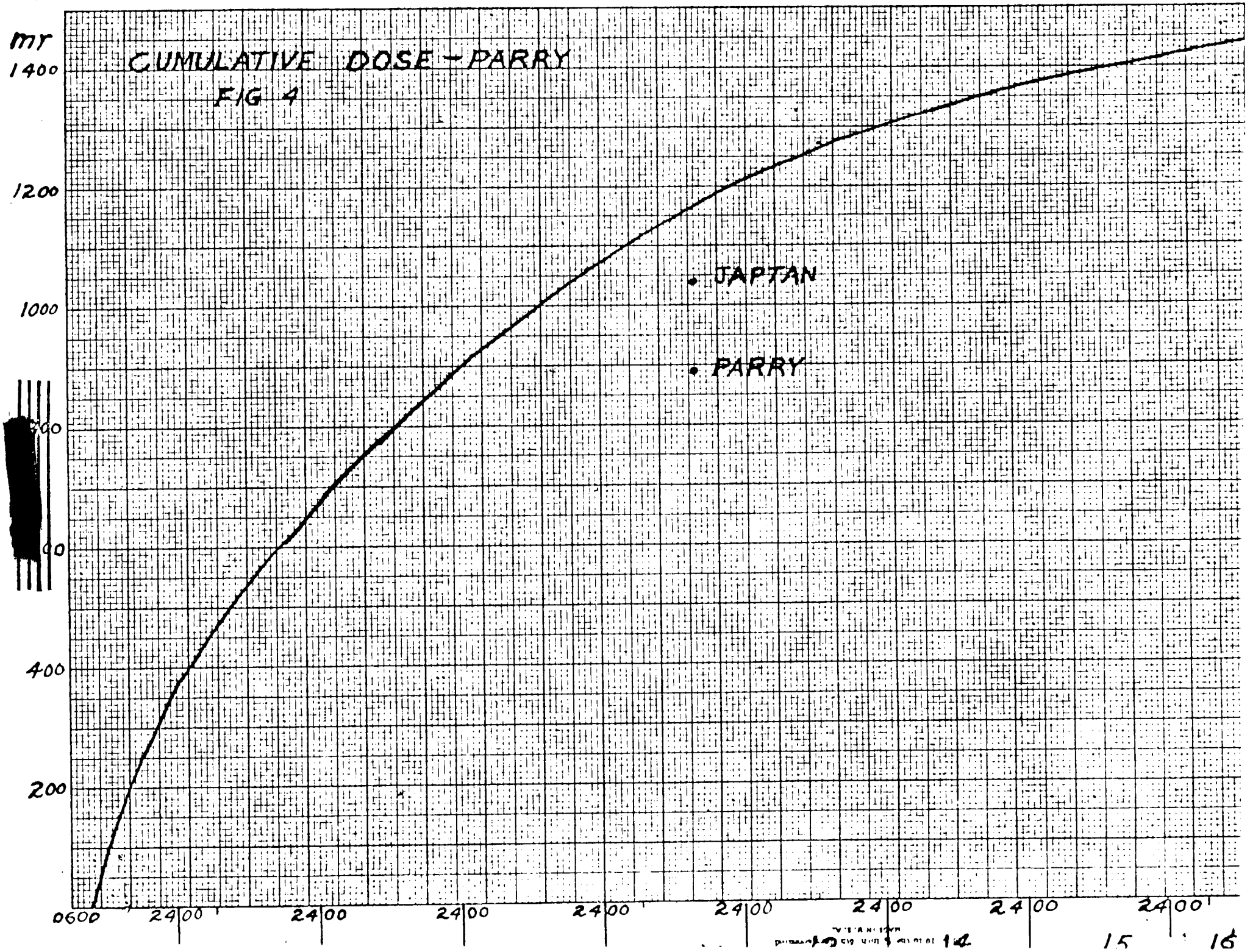
Atomic Energy Act 1946

[redacted]

Incl #1



RESTRICTED DATA
Atomic Energy Act 1946


CUMULATIVE DOSE - PARRY
FIG 4
mr
1400
1200
1000
400
200
JAPTAN
PARRY
0600
2400
2400
2400
2400
2400
2400
2400
2400
14
15
16

SUBJECT: External Radiation Doses to 28 May 1951

TO: Commander, Task Unit 3.1.5

1. An analysis of all radiation exposures as shown by photographic film badges has been made as of 28 May 1951. The exposure data presented represent only that obtained in various missions connected with the test program.

2. Film badge data from 3,335 individuals shows an average exposure of 510 mr. Excluding 913 individuals showing exposures of 100 mr or less the average is 710 mr.

3. The distribution of the doses received is shown in the attached curve.

4. Data from Task Unit 3.1.5 was not complete at the time of this report and could not be analyzed.

Incl. #2

9-1		1.						
9-2		2.		Kirtland AFB	Lt Col	AF	1	
9-3		3.		[illegible]	Captain	N	1	
9-4		4.		[illegible] DC	Major	A	1	
9-5		5.		LASL	Major	A	1	
9-6		6.		[illegible]	Lt	N	2	
9-7		7.		Houston	Capt	A	2	
9-9		8.		LASL	Capt.	A	2	
9-10		9.		Keesler AFB	1st Lt	AF	2	
9-5		10		[illegible] USN	Capt	AF		
9-12		11		[illegible] Appl	Lt Col	A	1	
9-13		12		Army Med. [illegible]	Lt Col	A	1	
9-14		13		[illegible]	Capt	AF	2	307 BOMB WING MACDILL [illegible]
9-15		14		ACC	Capt	A	2	
9-18		15		CERLAB	LCdr	N	1	
9-19		16		[illegible] USN	Major	USMC	1	
9-20		17		1165 Pilot	Capt	AF	2	[illegible] Wing, Connally AFB, Waco Tex
9-21		18		NRDL	LCdr	N	1	
9-22		19		[illegible]	Capt	USMC	2	
9-23		20		[illegible]	Capt	AF	2	22 BOMB WING MARCH AFB, CALIF
9-24		21		[illegible]	Lt	N	2	
9-25		22		FTC, NAVSTA San Diego	Lt	N	2	
9-[illegible]		23		[illegible]	LtCol	N	1	
9-26		24		[illegible]	Capt	AF	2	SWC, KIRTLAND AFB N.M
9-[illegible]	63	25		Army Med. [illegible]	Major	A	1	
9-47	64	26		ACC	Capt	A	2	
9-52		27		W.V.U. Sch	Capt MC	A	1	Ft Sam Houstin
9-16		28		[illegible]	Col, MC	AUS	1	
9-51		29		[illegible]				
9-53		30		Kirtland AFB	Capt	AF	2	
9-54	53	31		"	1st Lt	AF	2	
9-55		32		"	1st Lt	AF	2	
9-[illegible]		33		"	1st Lt	AF	2	
9-57		34		T.I. Calif	Lt	N	2	
9-58		35		NDRU	Cdr DC	N	2	
9-59		36		B/S San Fran	DCC	N	3	
9-60		37		B/S San Fran	DCC	N	3	
9-61		38						
9-62		39						
9-[illegible]		40				A		
9-17		41		[illegible]	LtCol.	A		
9-50		42		[illegible]	Capt	USPHS	1	
9-46		43		Bethesda	Civ		1	
9-49		44		U. of Iowa	Civ		1	
9-27		45		Bainbridge	1st Lt	A	2	
9-28		46		[illegible]	ETC	N	3	
9-29		47		WashDC	Capt	A	2	
9-30		48		[illegible]	[illegible]	A	3	
9-31		49		[illegible] AST Sig	M/Sgt	A	3	
9-32		50		Ft. Brasilio	T/Sgt	AF	3	
9-33		51		[illegible] C1143	SK3	N	3	
9-34		52			S/Sgt	AF	3	
9-35		53		[illegible]	M/Sgt	A	3	Fort Bliss Tex
9-36		54			T/Sgt	AF	3	
9-37		55			T/Sgt	AF	3	
9-38		56		1 Airborne	Sgt	A	3	Sig Co. 11th Airborne Div Camp Campbell, Ky
9-39		57		[illegible] AP13	ET1	N	3	
9-40		58		[illegible]	ET1	N	3	
9-41		59		[illegible]	Cpl	A	3	
9-42		60			S/Sgt	AF	3	
9-43		61		FCP NB Nflk	PH1	N	3	
9-44		62		Ft Riley Kas	Sgt	A	3	
9-45		63		FCP NB Nflk	PH3	N	3	
9-46		64		Scott AFB Ill	S/Sgt	AF	3	
9-47		65			Sgt	AF	3	
		66		LASL	Civ		1	
7-16		67		LASL	Major	AF	1	
		68		AFSWP DC	Major	AF	1	
		69		LASL	Civ		2	
		70		LASL	Civ		2	
		71		LASL	Civ		2	
		72		LASL	Civ		2	
		73		LASL	Civ		2	
		74		LASL	Civ		2	
		75		LASL	Civ		2	
		76		LASL	Civ		2	
9-11		77		Lockland AFB	1st Lt	AF	2	
		78		San Antonio				
				KIR-PES Beth.	Surg	PHS	1	

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

VERIFIED UNCLASSIFIED
SEP 27 1978

[redacted]

PRIVACY ACT MATERIAL REMOVED

U. of C.	Drunhouse	Ranger	Total
0	6.42	—	6.42
0	8.21	.08	8.29
0	8.45	1.07	9.52 *
<.01	9.21	3.58	12.79 *
.01	7.28	1.17	8.46
.01	6.57	—	6.58
.01	7.06	.80	7.86
<.01	8.96	—	8.96
.00	6.45	—	6.45
	8.77		8.77
X	8.65	—	8.65

L FTG UTU
Chesapeake Bay, Norfolk, Va

OC 3712 BMTS
Lackland AFB, San Antonio, Tex.

PRIVACY ACT MATERIAL REMOVED

Greenhouse file :

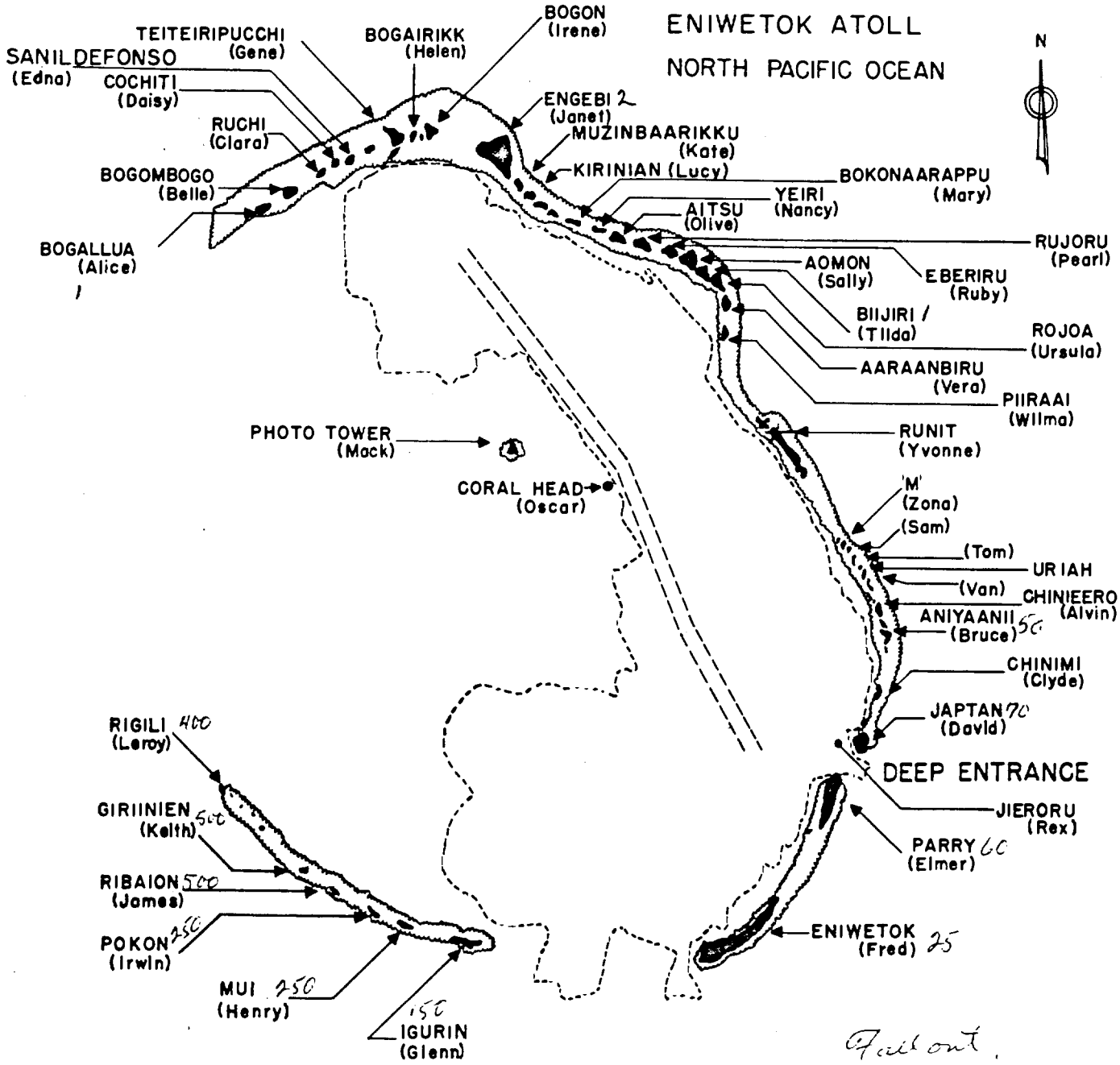
PRIVACY ACT MATERIAL REMOVED

USA	"Q"
USN	"Q"
USA	"Q"
USAF	"Q"
USN	"Q"
USA	"Q"
USA	"Q"
USA	"Q"
USN	"Q"
USA	"Q"
USN	"Q"
USA	Not "Q"
USA	"Q"
USMC	"Q"
USN	"Q"
USAF	Not "Q"
USAF	"Q"
USAF	Not "Q"
USAF	"Q"
USA	"Q"
USN	"Q"
USA	"Q"
USA	"Q"
USAF	"Q"
USN	Not. "Q"
USA	not "Q"
USN	Not "Q"
USMC	Not "Q"
USAF	"Q"
USAF	"Q"
USAF	"Q" (Not)
USN	Not "Q"
USPHS	"Q"
USA	"Q"

7

- copy 2
- copy 5
- copy 6
- copy 4

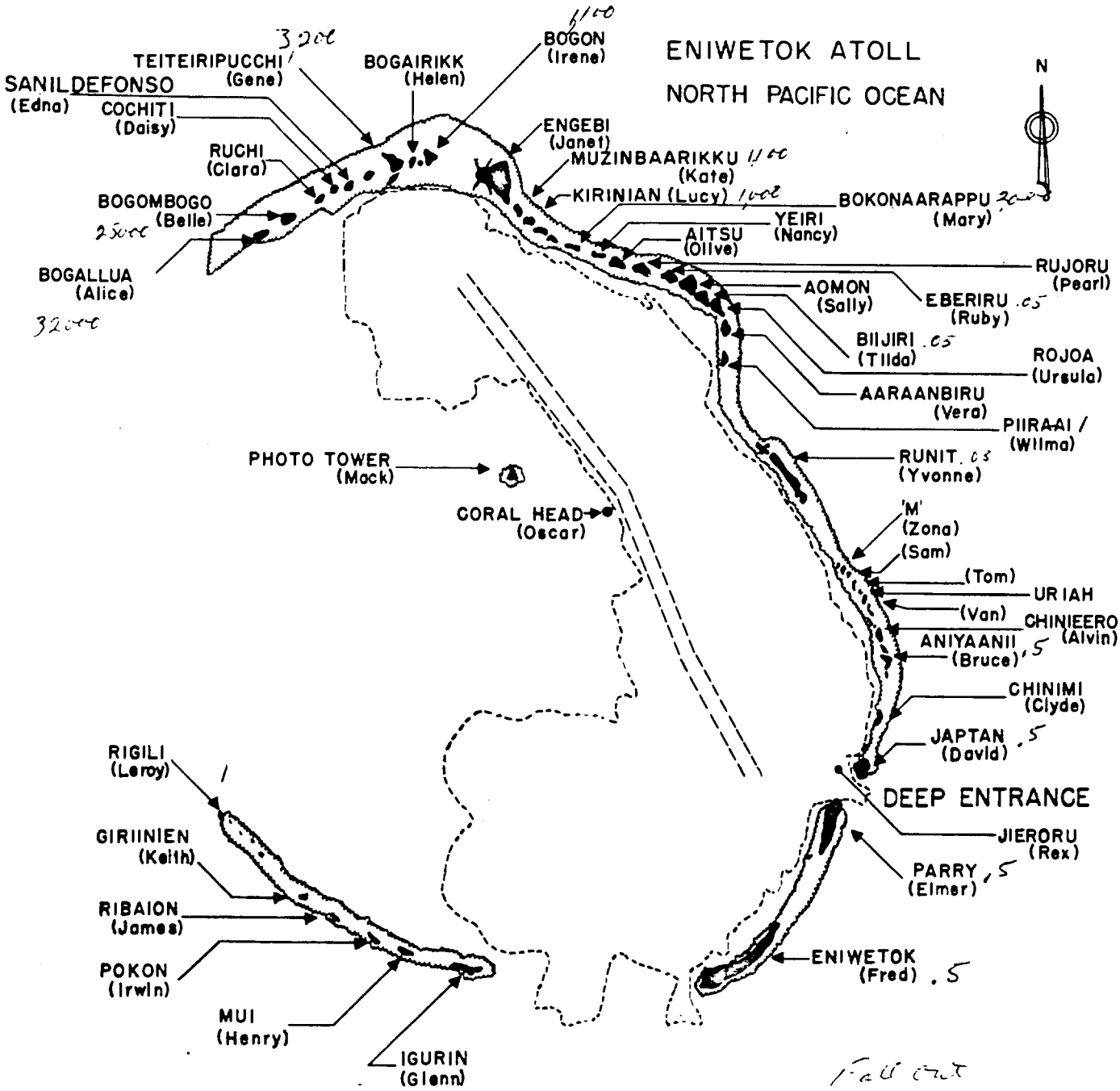
ED

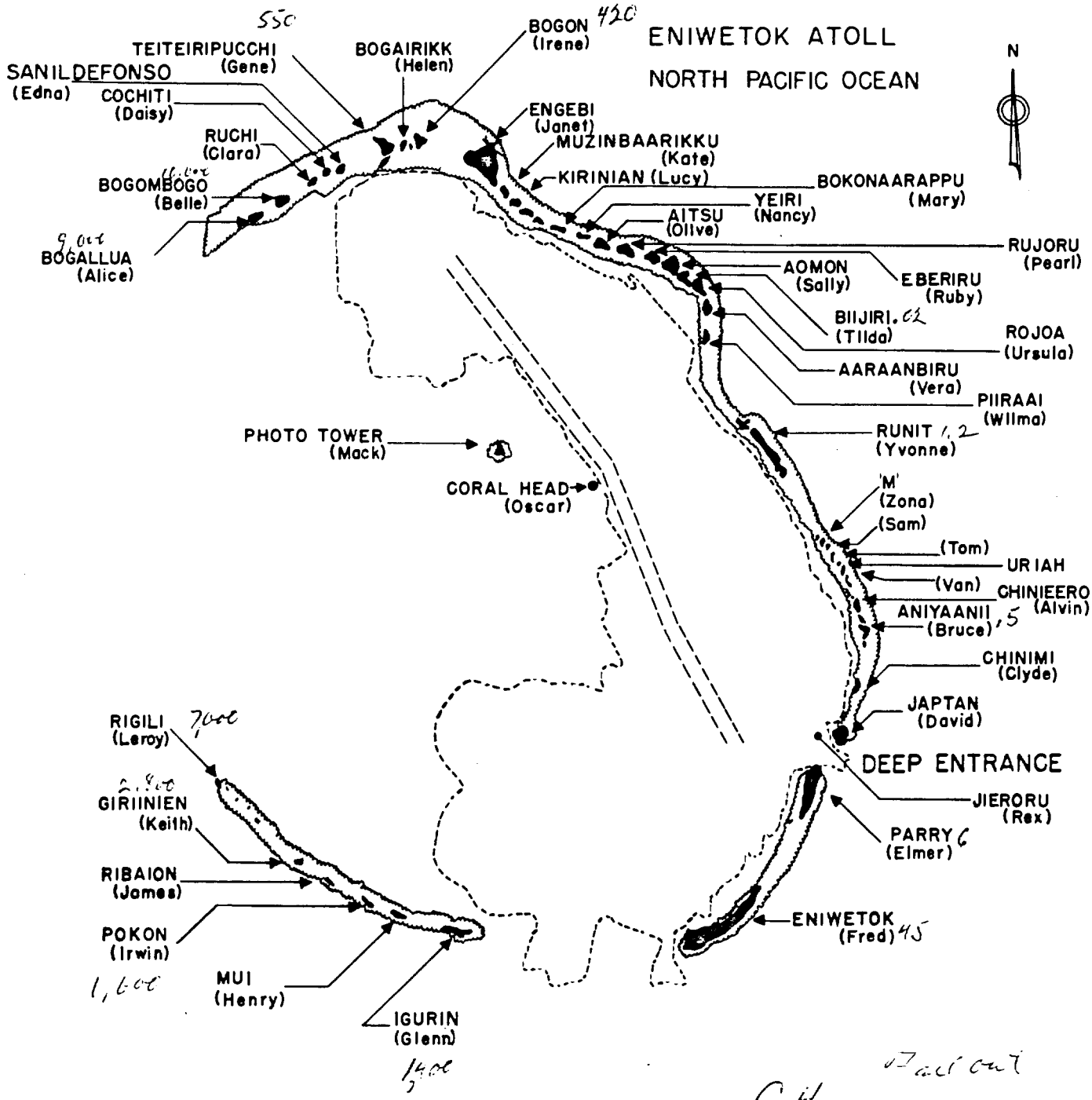


Fall out.

H + 7 sec

G H Dog.
4/8/51


ENIWETOK ATOLL
NORTH PACIFIC OCEAN
N
SANILDEFONSO (Edna)
TEITEIRIPUCCHI (Gene)
3200
BOGAIRIKK (Helen)
BOGON (Irene)
1100
COCHITI (Daisy)
RUCHI (Clara)
ENGEBI (Janet)
MUZINBAARIKKU (Kate)
1100
KIRINIAN (Lucy)
1000
BOKONAARAPPU (Mary)
2000
BOGOMBOGO (Belle)
2500
YEIRI (Nancy)
AITSU (Olive)
BOGALLUA (Alice)
3200
RUJORU (Pearl)
AOMON (Sally)
EBERIRU (Ruby) .05
BIIJIRI (Tilda) .05
ROJOA (Ursula)
AARAANBIRU (Vera)
PIIRAAI (Wilma)
PHOTO TOWER (Mack)
RUNIT (Yvonne) .05
CORAL HEAD (Oscar)
'M' (Zona)
(Sam)
(Tom)
URIAH
(Van)
CHINIEERO (Alvin)
ANIYAANII (Bruce) .5
CHINIMI (Clyde)
JAPTAN (David) .5
DEEP ENTRANCE
JIERORU (Rex)
PARRY (Elmer) .5
ENIWETOK (Fred) .5
RIGILI (Leroy)
1
GIRIINIEN (Keith)
RIBAION (James)
POKON (Irwin)
MUI (Henry)
IGURIN (Glenn)
Fall out
GH
E 4/21/51


ENIWETOK ATOLL
NORTH PACIFIC OCEAN
N
SANIL DEFONSO (Edna)
TEITEIRIPUCCHI (Gene)
COCHITI (Daisy)
RUCHI (Clara)
BOGOMBOGO (Belle)
BOGALLUA (Alice)
BOGAIRIKK (Helen)
BOGON (Irene)
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MUZINBAARIKKU (Kate)
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RIBAION (James)
POKON (Irwin)
MUI (Henry)
IGURIN (Glenn)

J - 9023

6 November 1951

Armed Forces Special Weapons Project
Washington, D. C.

Attention: Technical Library

Gentlemen:

In accordance with letter dated 28 September 1951, from Col. George F. Schlatter, Division of Military Application, to Dr. A. C. Graves, Los Alamos Scientific Laboratory, we are forwarding to you under separate cover the two boxes of cards bearing radiological exposure data from GREENHOUSE.

It is our understanding that you are prepared to accept these data for permanent retention.

Very truly yours,

ORIGINAL SIGNED BY LEO G. CHELIUS

Leo G. Chelius
Rad-Safety Group

LGC:jds

cc: Col. G. F. Schlatter
J-Division
Mail & Records
Rad-Safe File

12300

920

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON 25, D. C.

IN REPLY REFER TO:

MATA:RLS

September 28, 1951

Dr. Alvin C. Graves
Los Alamos Scientific Laboratory
Los Alamos, New Mexico

Dear Dr. Graves:

Reference is made to your letter of September 17, 1951 in which you indicated that you have no desire to retain the radiological exposure data from GREENHOUSE on a permanent basis. We have been informed by the Armed Forces Special Weapons Project that they will accept the data for permanent retention at any time you wish to make transmittal. They specified, however, that all the data should be shipped at the same time and to the attention of the Technical Library.

Sincerely yours,

George F. Schlatter
Colonel, USAF
Division of Military Application

OCT 3 '51
RECEIVED
1-DIVISION
LOS ALAMOS SCI LAB
DISPATCHED

PRIVACY ACT MATERIAL REMOVED

Telecon Bob Patten, P-1, to J. Shumway 9/25/51

Reference memo prepared by Rad Safe re radiation dosages:

No individuals in the Alpha Measurements Unit for B-J (P-1) hav received a dosage greater than that specified in the ref. lett. None have received any radiation of any consequence in their regular work. (We would have record of their exposures in Mon:

Only two members of Unit were at Greenhouse: and

At Ranger: The above two men, plus

None of the other members of the Unit have participated in any of the test operations.

PRIVACY ACT MATERIAL REMOVED

Name Greenhouse

	Org.	Org. Ldr	Proj.	Proj Ldr	Roster di
T.U. 3.1.2	✓	No Com			
Med #1	✓	No Com			
Bu Med #1	✓	No Com			
Bu Med #1	✓	No Com			
Bu Med #1	✓	No Com			
Bu Med #1	✓	No Com			
Bu Med #1	✓	No Com			
Bu Med #1	✓	No Com			

Army Chemical Center
6.9 Not Going

PRIVACY ACT MATERIAL REMOVED

FTG UTU
Chesapeake Bay
Norfolk, Va
Rad Safe

8. 3.1.5 ✓ No Com
✓ Indian Head, Maryland
3.1.5 No Com.

" 3712 BMTS
Lackland AFB
San Antonio, Texas
Rad Safe

" ✓ No Com. USAF Schl of Av'n Med, Randolph
" ✓ No Com Nav Bu Med & Surg. D.C.
3.1.6 No Com Flt Acft Serv Sq 9, NAAS Cecil Fld.
3.1.6 Not C. Dermatology Phalanx L. Gardner

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name	Greenhouse ~~Proj.~~	Program	Org. Ldr.	Proj.	Proj. Ldr.	Roster Date
	D-5	U of C.		Hg. 10.6	Ogle	7 Oct
	D-5	U of C. No Commitment				
	D-5	U. of C.		10.10	Zadina	27 Oct 30 Nov
	1.1	NRL ✓ No Com				
	1.1	NRL ✓ No Com				
	1.5.1	U. of C.		Hg. 10.0	Ogle	7 Oct 3 Dec
	1.5.1	U. of C.		10.8	Clyde Cowan	Dry Run -7 days to Sh
	1.5.1	U. of C.			"	"
	1.5.1	Departed				
	1.5.1	U of C Not Comitted.				
	1.5.1	U. of C.		10.8	Same as Beggus	
	1.5.1	U of C.		10.8	Same as Beggus	
	1.5.1	U of C.		10.8	Same as Beggus	
	1.5.3	NRL ✓ No Com				
	1.5.3	NRL ✓ No Com				
	1.5.3	NRL ✓ No Com				
	1.5.3	NRL ✓ No Com.				
	1.7	U of C. No Commitment				
	1.7	U of C. No Commitment				
	1.7	U. of C.		10.4	Spence	(11 Oct - 4 Nov.)
	1.7	Not Going				
	3.1.2	Not Going				
	✓	Naval Med. Res. Inst. No Com				
	"	Naval Med. Res. Inst. No Com				

PRIVACY ACT MATERIAL REMOVED

TO TASK GROUP 5.1

Name	Film Badge	PRIVACY ACT MATERIAL REMOVED	Fall-out		Total
~~Signature~~ Name	F. B.	Residence	~~Blegd~~	70% ~~Blegd~~	Total
	1.60	4/1 to 4/27	1.82	1.27	2.87
	.27	4/2 to 4/29	1.90	1.33	1.60
	—	2/13 to 5/27	4.84	3.39	3.39
	—	1/22 to 5/31	5.70	3.99	3.99
	—	2/27 to 5/27	4.84	3.39	3.39
	—	3/9 to 5/23	2.22	1.55	1.55
		3/9 to 5/14	2.22	1.55	1.55
		2/23 to 5/29	5.70	3.99	3.99
		3/6 to 5/27	4.84	3.39	3.39
		1/12 to 1/26 3/2 to 5/29	5.70	3.99	3.99
		3/25 to 6/11	5.70	3.99	3.99
		1/9 to 2/3			5.31
	1.32	3/4 to 5/29	5.70	3.99	~~3.99~~
	.62	2/17 to 6/4	5.70	3.99	4.61
	2.06	2/12 to 5/31	5.70	3.99	6.05
	—	1/30 to 5/5	2.10	1.47	1.47
	—	2/12 to 6/4	5.70	3.99	3.99
	.86	2/17 to 6/4	5.70	3.99	4.85
	.17	2/12 to 5/31	5.70	3.99	4.16
	—	2/27 to 6/4	5.70	3.99	3.99
	0	2/27 to 6/4	5.70	3.99	3.99
	.82	2/17 to 6/4	5.70	3.99	4.81
	—	2/12 to 5/31	5.70	3.99	3.99
	—	2/17 to 6/6	5.70	3.99	3.9[illegible]
	—	2/12 to 5/31	5.70	3.99	3.[illegible]

PRIVACY ACT MATERIAL REMOVED

Name

Name

Film-badge PRIVACY ACT MATERIAL REMOVED

Fall-out

Total

F. B	Readings	Bkgd	70% Bkgd	Total
2.63	2/17 to 2/20 3/31 to 5/31	5.70	3.99	6.62
.69	2/17 to 5/31	5.70	3.99	4.68
.23	2/12 to 5/22	2.22	1.55	1.78
0	2/12 to 5/28	3.20	2.24	2.24
1.14	3/22 to 6/4	5.70	3.99	5.13
.55	2/17 to 4/29	1.90	1.33	1.88
.49	2/17 to 5/28	3.20	2.24	2.73
1.33	1/29 to 5/1	1.98	1.39	2.72
1.71	2/17 to 6/4	5.70	3.99	5.70
.82	1/29 to 5/28	3.20	2.24	3.05
.15	3/22 to 4/30	1.94	1.36	1.51
1.76	2/17 to 5/28	3.20	2.24	4.00
.98	2/12 to 6/4	5.70	3.99	4.97
—	2/17 to 6/4	5.70	3.99	3.99
.72	2/17 to 6/4	5.70	3.99	4.71
—	2/28 to 6/4	5.70	3.99	3.99
.13	2/17 to 5/22	2.22	1.55	1.68
.28	2/17 to 5/28	3.20	2.24	2.52
—	3/29 to 5/10	2.20	1.54	1.54
0	2/12 to 5/10	2.20	1.54	1.54
.08	1/30 to 4/30	1.94	1.36	1.44
.31	2/17 to 5/31	5.70	3.99	4.30
1.09	2/12 to 5/31	5.70	3.99	5.0
.80	2/17 to 6/4	5.70	3.99	4.7

PRIVACY ACT MATERIAL REMOVED

Name

Name

PRIVACY ACT MATERIAL REMOVED

Film-badge			Fall-out	Total
F. B.	Residence	Bkgd	70% Bkgd	Total
1.64	2/17 to 6/4	5.70	3.99	5.63
.56	2/12 to 5/31	5.70	3.99	4.55
—	3/3 to 5/17	2.22	1.55	1.55
.36	3/4 to 6/6	5.70	3.99	4.35
5.15	2/28 to 5/24	2.22	1.55	6.70
.52	1/30 to 5/12	2.22	1.55	2.07
—	3/31 to 5/27	4.82	3.37	3.37
.71	2/5 to 5/22	2.22	1.55	2.26
.15	3/11 to 5/22	2.22	1.55	1.70
1.32	3/5 to 5/30	5.70	3.99	5.31
0	1/30 to 4/18	1.46	1.02	1.02
2.66	3/15 to 4/14	1.29	.90	3.56
.62	3/1 to 5/16	2.22	1.55	2.17
—	2/24 to 5/8	2.17	1.52	1.52
—	2/14 to 6/4	5.70	3.99	3.99
1.80	3/6 to 5/14	2.22	1.55	3.35
.44	1/30 to 5/13	2.22	1.55	1.99
2.77	2/14 to 5/13	2.22	1.55	4.32
.27	3/1 to 5/14	2.22	1.55	1.82
—	3/7 to 5/30	5.70	3.99	3.99
2.21	3/11 to 5/19	2.22	1.55	3.76
.88	2/13 to 5/14	2.22	1.55	2.43
1.17	3/1 to 5/17	2.22	1.55	2.7
.08	2/24 to 5/17	2.22	1.55	1.6

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name	Film-badge			Fall-out	Total
Name	F. B.	Residence	~~Bkgd~~	70% ~~Bkgd~~	Total
	2.38	4/24 to 5/13	.54	.38	2.76
	0	3/1 to 5/19	2.22	1.55	1.55
	.79	3/11 to 5/24	2.22	1.55	2.34
	.37	3/12 to 5/26	3.82	2.67	3.04
	1.32	3/31 to 5/12	2.22	1.55	2.87
	.84	3/1 to 5/17	2.22	1.55	2.39
	1.25	3/5 to 5/30	5.70	3.99	5.24
	2.54	3/1 to 5/29	5.70	3.99	6.53
	.22	1/30 to 5/8	2.17	1.52	1.74
	—	3/14 to 5/30	5.70	3.99	3.99
	—	4/6 to 4/14	1.29	.90	.90
	—	1/6 to 4/18	1.46	1.02	1.02
	.98	2/23 to 5/14	2.22	1.55	2.53
	.66	2/24 to 5/21	2.22	1.55	2.21
	—	3/11 to 5/29	5.70	3.99	3.99
	1.10	3/12 to 5/30	5.70	3.99	5.09
	2.40	2/13 to 5/18	2.22	1.55	3.95 ~~6.43~~
	4.88	3/12 to 5/30	5.70	3.99	8.87
	—	3/5 to 5/8	2.17	1.52	1.52
	.27	3/6 to 5/24	2.22	1.55	1.82
	.46	2/24 to 5/14	2.22	1.55	2.01
	2.18	3/7 to 5/29	5.70	3.99	6.17
	2.45	2/24 to 5/29	5.70	3.99	6.44
	1.00	2/14 to 5/14	2.22	1.55	2.5[illegible]

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name	Film-badge			Fall-out	Total
Name	F.B.	Residence	~~Bkgd~~	70% ~~Bkgd~~	Total
	1.62	3/12 to 5/30	5.70	3.99	5.61
	1.16	2/20 to 5/16	2.22	1.55	2.71
	1.82	3/17 to 5/29	5.70	3.99	5.81
	.52	3/11 to 5/29	5.70	3.99	4.51
	.80	3/11 to 5/21	2.22	1.55	2.35
	1.17	2/24 to 5/18	2.22	1.55	2.72
	1.01	3/5 to 5/30	5.70	3.99	5.00
	.83	3/1 to 5/22	2.22	1.55	2.38
	—	2/25 to 5/6	2.13	1.49	1.49
	—	3/1 to 5/23	2.22	1.55	1.55
	.45	3/19 to 5/22	2.22	1.55	2.00
	.78	2/14 to 5/15	2.22	1.55	2.33
	.09	1/30 to 4/28	1.86	1.30	1.39
	—	2/5 to 5/16	2.22	1.55	1.55
	—	2/14 to 5/5	2.10	1.47	1.47
	—	2/5 to 5/5	2.10	1.47	1.47
	.94	3/15 to 5/15	2.22	1.55	2.49
	—	1/6 to 4/23	1.63	1.14	1.14
	.86	3/9 to 5/24	2.22	1.55	2.41
	.05	3/9 to 5/7	2.15	1.51	1.56
	.23	3/9 to 5/24	2.22	1.55	1.78
	0	3/9 to 4/27	1.82	1.27	1.27
	—	3/9 to 5/8	2.17	1.52	1.52
	0	3/9 to 5/7	2.15	1.51	1.5

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name	Film-badge			Fall-out	Total
Name	F.B.	Residence	Bkgd	70% Bkgd	Total
	1.53	3/9 to 5/10	2.20	1.54	3.07
	.21	2/1 to 4/26	1.78	1.25	1.46
	—	3/9 to 5/19	2.22	1.55	1.55
	1.44	3/9 to 5/10	2.20	1.54	2.98
	—	3/9 to 5/7	2.15	1.51	1.51
	2.64	2/2 to 4/27	1.82	1.27	3.91
	2.81	3/9 to 5/7	2.15	1.51	4.32
	0	3/9 to 5/19	2.22	1.55	1.55
	.24	3/9 to 5/13	2.22	1.55	1.79
	.42	3/9 to 5/4	2.08	1.46	1.88
	.12	3/9 to 5/4	2.08	1.46	1.58
	.23	3/9 to 5/24	2.22	1.55	1.78
	—	3/9 to 5/17	2.22	1.55	1.55
	.38	3/9 to 5/17	2.22	1.55	1.93
	.33	3/9 to 5/24	2.22	1.55	1.88
	.22	3/9 to 5/17	2.22	1.55	1.77
	.05	3/9 to 5/17	2.22	1.55	1.60
	.48	2/1 to 5/17	2.22	1.55	2.03
	3.09	3/9 to 5/24	2.22	1.55	4.64
	2.78	3/9 to 5/24	2.22	1.55	4.33
	0	2/1 to 5/17	2.22	1.55	1.55
	—	3/9 to 4/26	1.78	1.25	1.25
	—	3/8 to 4/26	1.78	1.25	1.25
	—	3/8 to 4/26	1.78	1.25	1.25

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name	Film badge			Fold-out	Total
Name	F.B.	Residence	Bkgd	70% Bkgd	Total
	.30	3/8 to 4/26	1.78	1.25	1.55
	—	3/16 to 4/12	1.08	.76	.76
	0	3/9 to 4/21	1.55	1.09	1.09
	.21	3/9 to 4/27	1.82	1.27	1.48
	2.19	3/4 to 5/25	2.22	1.55	3.74
	1.86	2/10 to 5/20	2.22	1.55	3.41
	.24	3/10 to 5/13	2.22	1.55	1.79
	2.19	2/26 to 5/20	2.22	1.55	3.74
	.67	4/5 to 5/28	5.42	3.79	4.46
	—	4/13 to 4/23	.44	.31	.31
	.13	4/3 to 5/27	4.84	3.39	3.52
	1.30	3/20 to 5/13	2.22	1.55	2.85
	2.18	1/15 to 6/7	5.70	3.99	6.17
	—	3/19 to 5/29	5.70	3.99	3.99
	—	4/19 to 5/2	.73	.51	.51
	2.00	3/12 to 5/13	2.22	1.55	3.55
	1.80	3/14 to 5/29	5.70	3.99	5.79
	5.19	1/31 to 5/29	5.70	3.99	9.18
	.09	3/23 to 5/27	4.84	3.39	3.48
	1.83	2/14 to 5/21	2.22	1.55	3.38
	.74	3/12 to 5/22	2.22	1.55	2.29
	1.82	3/9 to 5/13	2.22	1.55	3.37
	.17	4/19 to 6/2	4.21	2.95	3.12
	1.38	4/13 to 5/11	2.22	1.55	2.9

PRIVACY ACT MATERIAL REMOVED

Name

Name

Film-badge

PRIVACY ACT MATERIAL REMOVED

F. B.	Residence	Bkgd	Fall-out 70% Bkgd	Total
—	3/14 to 5/29	5.70	3.99	3.9
1.22	10/19 to 5/14	2.22	1.55	2.7
.22	3/14 to 5/29	5.70	3.99	4.21
.29	3/12 to 5/13	2.22	1.55	1.84
4.17	2/14 to 5/28	5.42	3.79	7.96
.28	3/1 to 5/19	2.22	1.55	1.83
.38	3/1 to 6/5	5.70	3.99	4.37
2.32	3/1 to 5/29	5.70	3.99	6.31
.36	3/1 to 5/29	5.70	3.99	4.35
1.04	3/1 to 5/29	5.70	3.99	5.03
.07	3/1 to 6/5	5.70	3.99	4.06
.52	3/1 to 6/5	5.70	3.99	4.51
—	3/1 to 5/19	2.22	1.55	1.55
—	3/1 to 6/5	5.70	3.99	3.99
.17	3/1 to 5/19	2.22	1.55	1.72
.45	3/1 to 5/19	2.22	1.55	2.00
1.06	3/1 to 5/29	5.70	3.99	5.05
1.05	3/1 to 5/29	5.70	3.99	5.04
1.12	3/1 to 5/29	5.70	3.99	5.11
2.37	3/1 to 5/29	5.70	3.99	6.36
3.95	3/1 to 5/29	5.70	3.99	7.94
.96	3/1 to 5/29	5.70	3.99	4.9
—	3/1 to 5/29	5.70	3.99	3.9

PRIVACY ACT MATERIAL REMOVED

Name	Film badge	PRIVACY ACT MATERIAL REMOVED		Fall-out	Total
Name	F. B.	Residence	~~Bkgd~~	70% ~~Bkgd~~	Total
	.36	3/1 to 6/5	5.70	3.99	4.35
	4.06	3/1 to 5/29	5.70	3.99	8.05
	—	3/1 to 5/29	5.70	3.99	3.99
	4.43	3/1 to 5/29	5.70	3.99	8.42
	2.72	3/1 to 5/29	5.70	3.99	6.71
	.26	3/1 to 5/29	5.70	3.99	4.25
	1.74	3/1 to 5/29	5.70	3.99	5.73
	.05	3/1 to 5/29	5.70	3.99	4.04
	.53	3/1 to 6/6	5.70	3.99	4.52
	.09	3/1 to 5/29	5.70	3.99	4.08
	—	3/1 to 5/29	5.70	3.99	3.99
	~~.66~~	~~3/1 to 5/29~~			
	~~1.39~~	~~3/1 to 3/19~~			
	~~1.40~~	~~3/1 to 5/29~~			
	~~1.77~~	~~3/12 to 3/13~~			
	~~—~~	~~3/1 to 5/29~~			
	~~1.24~~	~~3/1 to 5/29~~			
	~~.03~~	~~3/1 to 4/28~~			
	~~.25~~	~~3/1 to 5/29~~			
	~~.52~~	~~3/1 to 5/29~~			
	.77	3/1 to 6/5			
	~~.75~~	~~3/1 to 6/5~~			
	1.93				

PRIVACY ACT MATERIAL REMOVED

Name

Name

Film badge			Fall-out	Total
F. B.	Residence	Bkgd	70% Bkgd	Total
—	3/1 to 5/14	2.22	1.55	1.5[illegible]
.19	3/13 to 5/12	2.22	1.55	1.74
.71	3/13 to 5/6	2.13	1.49	2.2[illegible]
.98	3/4 to 5/6	2.13	1.49	2.4[illegible]
2.03	4/12 to 5/29	4.70	3.29	5.3[illegible]
.10	1/22 to 5/2	2.01	1.41	1.5[illegible]
.37	1/22 to 5/2	2.01	1.41	1.7[illegible]
0	12/3 to 5/2	2.01	1.41	1.4[illegible]
—	2/12 to 5/3	2.05	1.44	1.4[illegible]
0	1/22 to 5/2	2.01	1.41	1.4[illegible]
.23	1/22 to 5/3	2.05	1.44	1.6[illegible]
.12	12/3 to 5/2	2.01	1.41	1.5[illegible]
0	2/12 to 5/3	2.05	1.44	1.44
—	1/22 to 4/29	1.90	1.33	1.3[illegible]
.16	12/3 to 5/2	2.01	1.41	1.57
.25	1/22 to 5/3	2.05	1.44	1.69
.05	12/3 to 4/29	1.90	1.33	1.3[illegible]
.99	2/28 to 5/19	2.22	1.55	2.5[illegible]
1.17	3/13 to 5/14	2.22	1.55	2.7[illegible]
.40	3/13 to 5/14	2.22	1.55	1.9[illegible]
1.02	3/13 to 5/14	2.22	1.55	2.5[illegible]
2.41	3/13 to 5/14	2.22	1.55	3.9[illegible]
.65	3/13 to 5/14	2.22	1.55	2.2

PRIVACY ACT MATERIAL REMOVED
PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name	Film badge			Fall-out	Total
Name	F. B.	Residence	Bkgd	70% Bkgd	Total
	.38	3/13 to 5/14	2.20	1.55	1.93
	—	3/13 to 5/14	2.20	1.55	1.55
	1.63	3/13 to 5/14	2.20	1.55	3.18
	1.52	3/13 to 5/14	2.20	1.55	3.07
	1.34	3/13 to 5/14	2.20	1.55	2.84
	.46	3/13 to 4/26	1.78	1.25	1.71
	.89	3/13 to 4/26	1.78	1.25	2.14
	1.11	3/26 to 5/16	2.22	1.55	2.66
	1.51	4/2 to 4/25	1.73	1.21	2.72
	.74	2/12 to 4/27	~~1.82~~ 1.82	1.27	2.01
	3.20	3/9 to 5/16	2.22	1.55	3.75
	1.94	2/27 to 5/13	2.22	1.55	3.49
	5.64	2/27 to 5/29	5.70	3.99	9.63
	3.35	3/12 to 5/16	2.22	1.55	4.90
	.56	3/9 to 5/13	2.22	1.55	2.11
	.37	3/2 to 5/31	5.70	3.99	4.36
	4.78	2/27 to 5/31	5.70	3.99	8.77
	1.01	3/9 to 5/13	2.22	1.55	2.56
	.06	3/9 to 5/29	5.70	3.99	4.05
	3.81	2/27 to 5/16	2.22	1.55	5.36
	2.71	3/9 to 5/6	2.13	1.49	4.20
	3.27	2/27 to 5/13	2.22	1.55	~~5.82~~ 4.82
	1.48	3/9 to 5/13	2.22	1.55	3.03

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name	Film badge			Fall-out	Total
Name	F. B.	Residence	Bkgd	70% Bkgd	Total
	.38	3/9 to 5/29	5.70	3.99	4.37
	3.04	2/27 to 5/13	2.22	1.55	4.59
	3.80	3/9 to 6/2	5.70	3.99	7.79
	.52	3/9 to 5/29	5.70	3.99	4.51
	3.24	3/12 to 5/27	5.70	3.99	7.23
	.18	3/2 to 5/27	5.70	3.99	4.17
	.36	4/7 to 5/27	5.70	3.99	4.35

PRIVACY ACT MATERIAL REMOVED

Name	Film badge (r)	Fall out (r)	Total (r)
	.56	.95	1.51
	.75	1.09	1.84
	1.03	1.55	2.58
	.49	1.06	1.55
	.32	1.30	1.62
	.35	1.53	1.88
	No travel performed		
	.73	1.15	1.88
	.61	1.21	1.82
	.51	.43	.94
	.93	1.55	2.48
	.32	1.55	1.87
	.30	1.25	1.55
	1.18	1.55	2.73
	.54	.64	1.18
	1.47	1.55	3.02
	—	.41	.41
	No travel performed		
	.30	1.55	1.85
	0	.38	.38
	1.24	1.55	2.79
	.51	—	.51
	—	1.53	1.53
	.34	1.33	1.67
	.72	.95	1.67
	.69	1.55	2.24
	.28	.38	.66
	.26	1.30	1.56
	—	1.53	1.53
	.71	1.55	2.26
	1.00	1.55	2.55
	1.32	1.55	2.87
	.52	.43	.95
	.78	1.55	2.33
	1.12	1.13	2.25

ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name	Film Badge (r)	Fall-out (r)	Total (
	1.40	3.99	5.39
	1.77	1.55	3.32
	—	3.99	3.99
	1.24	3.99	5.23
	.03	1.30	1.33
	.25	3.99	4.24
	.52	3.99	4.51
	.77	3.99	4.76
	.75	3.99	4.74
	1.93	1.36	3.29
	.31	3.99	4.30
	.11	3.99	4.10
	—	3.99	3.99
	1.48	3.99	5.47
	.37	.61	.98
	.46	3.99	4.45
	—	1.55	1.55

PRIVACY ACT MATERIAL REMOVED

PRIVACY

Name	F.B.	Residence	Bkgd	70% Bkgd	Total
	—	3/11 to 5/29	5.70	3.99	3.99
	C. 1.10	3/12 to 5/30	5.70	3.99	5.09
	2.40	2/13 to 5/18	2.22	1.55	3.95
	4.88	3/12 to 5/30	5.70	3.99	8.87
	—	3/5 to 5/8	2.17	1.52	1.52
	.27	3/6 to 5/24	2.22	1.55	1.82
	.46	2/24 to 5/14	2.22	1.55	2.01
	2.18	3/7 to 5/29	5.70	3.99	6.17
	2.45	2/24 to 5/29	5.70	3.99	6.44
	1.00	2/14 to 5/14	2.22	1.55	2.55
	1.62	3/12 to 5/30	5.70	3.99	5.61
	1.16	2/20 to 5/16	2.22	1.55	2.71
	1.82	3/17 to 5/29	5.70	3.99	5.81
	.52	3/11 to 5/29	5.70	3.99	4.51
	.80	3/11 to 5/21	2.22	1.55	2.35
	.17	2/24 to 5/18	2.22	1.55	2.72
	.01	3/5 to 5/30	5.70	3.99	5.00
	83	3/1 to 5/22	2.22	1.55	2.38
	—	2/25 to 5/6	2.13	1.49	1.49
	—	3/1 to 5/23	2.22	1.55	1.55
	45	3/19 to 5/22	2.22	1.55	2.00
	.78	2/14 to 5/15	2.22	1.55	2.33
	.09	1/20 to 4/28	1.86	1.30	1.39
	—	2/12 to 5/31	5.70	3.99	3.99
	2.63	2/17 to 2/20 3/21 to 5/31	5.70	3.99	6.62
	.23	2/12 to 5/22	2.22	1.55	1.78
	—	2/5 to 5/16	2.22	1.55	1.55
	1.09	2/12 to 5/31	5.70	3.99	5.08
	.56	2/12 to 5/31	5.70	3.99	4.55

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

NRL

Name	F.B.	Residence	Bkgd	70% Bkgd	Total
	.52	1/30 to 5/12	2.21	1.55	2.07
	—	3/31 to 5/27	4.82	3.37	3.37
	.71	2/5 to 5/22	2.22	1.55	2.26
	.15	3/11 to 5/22	2.22	1.55	1.70
	.32	3/5 to 5/30	5.70	3.99	5.31
	0	1/30 to 4/18	1.46	1.02	1.02
	—	2/23 to 5/8	2.17	1.52	1.52
	—				
	2.66	3/15 to 4/14	1.29	.90	3.56
	.62	3/1 to 5/16	2.22	1.55	2.17
	—	2/24 to 5/8	2.17	1.52	1.52
	—	2/14 to 6/4	5.70	3.99	3.99
	1.80	3/6 to 5/14	2.22	1.55	3.35
	.44	1/30 to 5/13	2.22	1.55	1.99
	2.77	2/14 to 5/13	2.22	1.55	4.32
	.27	3/1 to 5/14	2.22	1.55	1.82
	—	3/7 to 5/30	5.70	3.99	3.99
	2.21	3/11 to 5/19	2.22	1.55	3.76
	.88	2/13 to 5/14	2.22	1.55	2.43
	1.17	3/1 to 5/17	2.22	1.55	2.72
	.08	2/24 to 5/17	2.22	1.55	1.63
	2.38	4/24 to 5/13	~~1.02~~ .51	~~1.55~~ .36	~~3.93~~ 2.74
	0	3/1 to 5/19	2.22	1.55	1.55
	.79	3/11 to 5/24	2.22	1.55	2.34
	.37	3/12 to 5/26	3.80	2.66	3.03
	1.32	3/21 to 5/12	2.22	1.55	3.87
	.84	3/1 to 5/17	2.22	1.55	2.39
	1.25	3/5 to 5/30	5.70	3.99	5.24
	2.54	3/1 to 5/29	5.70	3.99	6.53
	.22	1/30 to 5/8	2.17	1.52	1.74
	—	3/14 to 5/30	5.70	3.99	3.99
	—	4/6 to 4/14	.90	.63	.63
	J. —	1/6 to 4/8	—	—	—
	.98	2/23 to 5/14	2.22	1.55	2.53
	.66	2/24 to 5/21	2.22	1.55	2.21

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Name F.B.	Residence	Bkgd	70% Bkgd	Total
	2/14 to 5/5	2.10	1.47	1.47
	2/5 to 5/5	2.10	1.47	1.47
	3/15 to 5/15	2.22	1.55	2.49
	1/6 to 4/23	1.64	1.15	1.15

PRIVACY ACT MATERIAL REMOVED

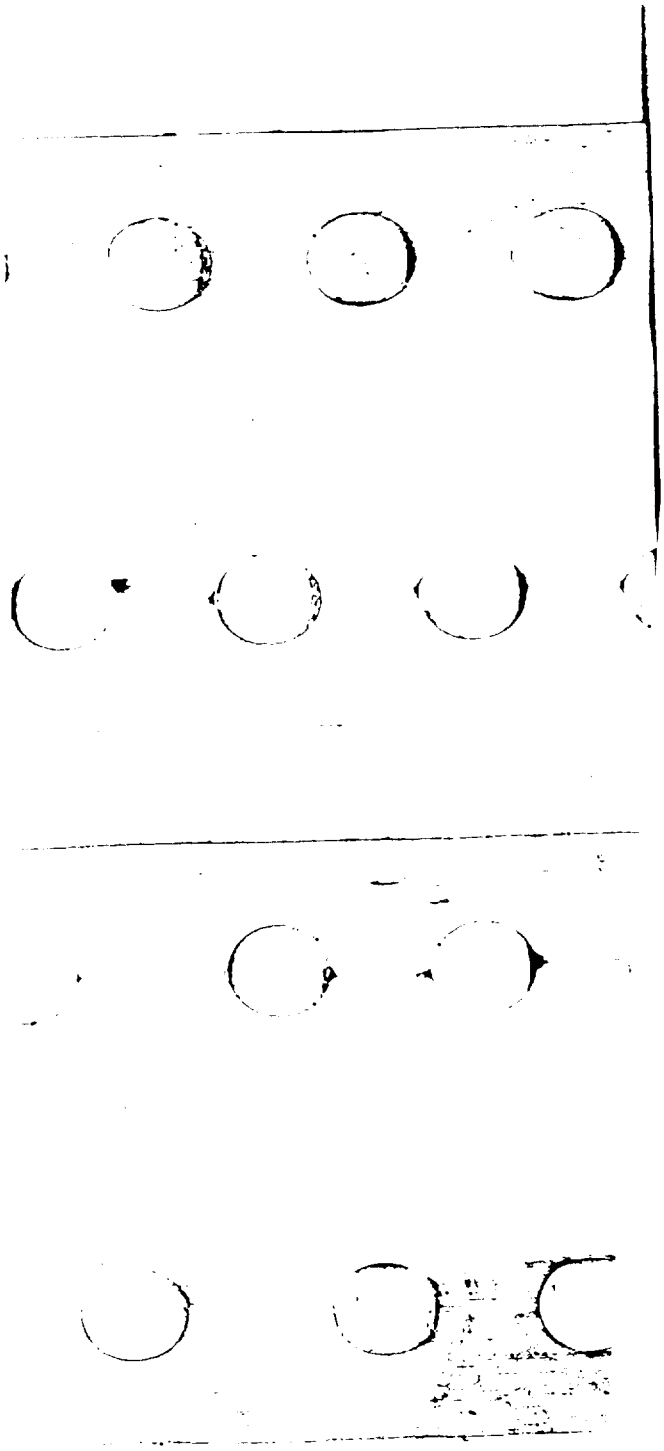
PRIVACY ACT MATERIAL REMOVED

Name

F. B.	Residence	Bkgd	70% Bkgd	Tota
.56	3/19 to 4/15	1.35	.95	1.51
.75	3/12 to 4/21	1.55	1.09	1.84
1.03	3/12 to 5/13	2.22	1.55	2.58
.49	4/9 to 4/26	~~1.68~~ 1.51	1.06	~~1.67~~ 1.57
.32	3/21 to 4/28	1.86	1.30	1.62
.35	3/4 to 5/9	~~2.32~~ 2.19	1.53	1.88
—	NTP	—	—	—
.73	3/4 to 4/23	1.64	1.15	1.88
.61	3/26 to 4/25	1.73	1.21	1.82
.51	3/4 to 4/10	.62	.43	.94
.93	3/12 to 5/13	2.22	1.55	2.48
.22	4/10 to 5/11	2.21	1.55	1.87
.30	4/1 to 4/26	1.78	1.25	1.55
1.18	2/14 to 5/16	2.22	1.55	2.73
.54	4/14 to 5/16	.92	.64	1.18
1.47	3/14 to 5/16	2.22	1.55	3.02
—	4/23 to 5/14	.59	.41	.41
—	NTP			
.30	3/20 to 4/25	2.22	1.55	1.85
0	4/24 to 5/16	.54	.38	.38
1.24	3/12 to 5/14	2.22	1.55	2.79
.51	3/12 to 4/8	—	—	.51
—	4/2 to 5/9	2.19	1.53	1.53
.34	3/21 to 4/29	~~2.22~~ 1.90	~~1.55~~ 1.33	~~1.89~~ 1.67
.72	3/16 to 4/15	~~2.22~~ 1.35	~~1.55~~ .95	~~2.27~~ 1.67
.69	3/12 to 5/16	2.22	1.55	2.24
.28	4/24 to 5/16	.54	.38	.66
.26	3/21 to 4/28	1.86	1.30	1.56
—	3/26 to 5/9	2.19	1.53	1.53
.91	3/12 to 5/13	2.22	1.55	2.46
1.00	4/4 to 5/16	2.22	1.55	2.55
1.32	3/12 to 5/14	2.22	1.55	2.87
.52	3/16 to 4/10	.62	.43	.95
.70	3/4 to 5/14	2.22	1.55	2.25
1.12	3/12 to 4/28	1.86	1.30	2.42

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED



TU 3.1.5

4.0 on F.B. ~~no [illegible]~~
3.2 on F.A. Total 7.

Greenhouse Range 2

F.B.	F.A.	Total		
3.75	2.95	6.70	1.80	8.
6.08	3.99	10.05	—	10.0
4.55	3.99	8.54	—	8.
4.63	3.36	7.99	—	7.9
3.74	3.36	7.10	—	7.10
2.89	3.99	6.88	—	6.8
5.32	3.99	9.31	—	9.31
2.03	3.99	6.02	—	6.02
2.88	3.99	6.87	—	6.87
5.64	3.99	9.63	—	9.63
4.50	3.21	7.71	—	7.71
7.57	1.55	9.12	—	9.12
4.78	3.99	8.77	—	8.77
5.91	3.99	9.90	—	9.90
6.50	3.99	10.49	—	10.49
3.75	3.99	7.74	—	7.74
4.66	3.99	8.65	—	8.65
5.50	1.55	7.05	—	7.05
4.11	3.99	8.10	—	8.10

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

1.7

Greenhouse Ranger

F.B.	F.A.	Total		
2.38	3.99	6.37	—	6.
3.79	3.99	7.78	.19	7.
4.90	1.55	6.45	—	6.
4.24	3.99	8.23	—	8.

TU 3.1.2

5.44	3.99	9.43	—	9.4
2.18	3.99	6.17	—	6.1
5.19	3.99	9.18	—	9.1
4.17	3.78	7.95	—	7.95

Bu Med Unit #1

2.32	3.99	6.31	—	6.31
2.37	3.99	6.36	—	6.3
3.95	3.99	7.94	—	7.94
4.06	3.99	8.05	—	8.05
4.43	3.99	8.42	—	8.42
2.72	3.99	6.71		

6.9

2.22	3.99	6.21	—	6.21

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

TU 3.1.5 (cont)

Greenhouse Ranger

F.B.	F.A.	Total		
6.12	3.99	10.11	—	10.
? 3.80	3.99	7.79	—	7.
4.49	3.99	8.48	—	8.
4.44	3.99	8.43	0	8.

TU 3.1.6

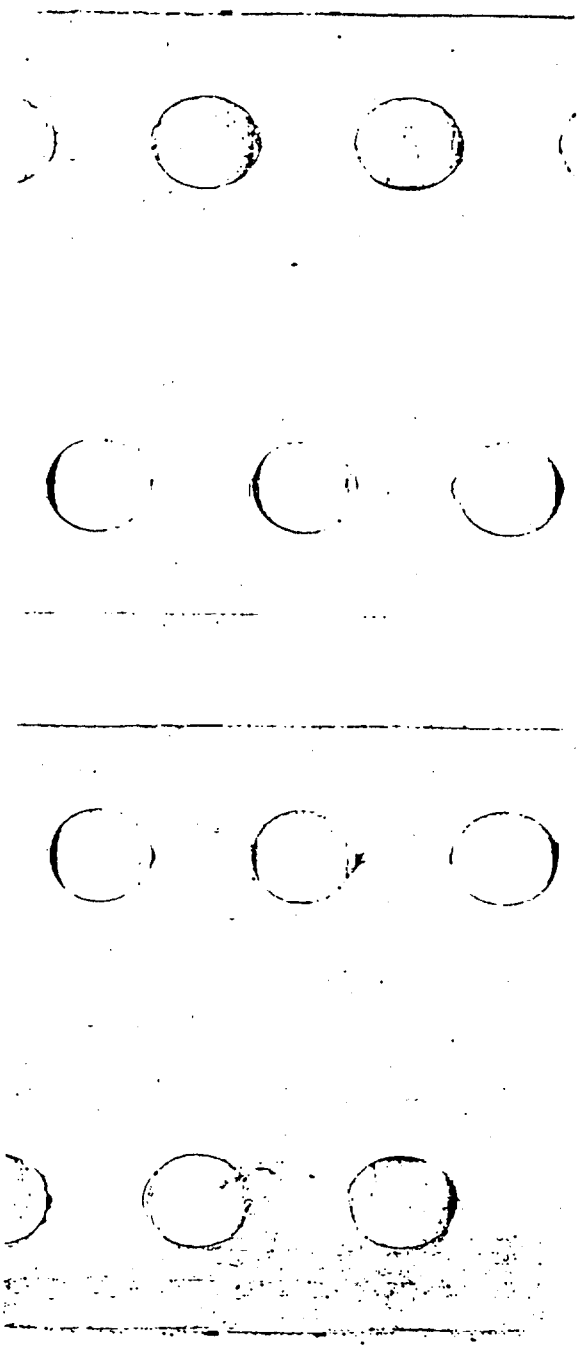
9. 3.24	3.36	6.60	—	6.
2.15	3.99	6.14	.45	6.

PRIVACY ACT MATERIAL REMOVED

Exposures Recorded on Greenhouse Monitors

E	Film Badge Reading	Departed Atoll	Exposure due to Background	Background Exposure x70%	Total Exposures
	2550	25 May	2350	1645	4195
	2700	13 May	2200	1540	4240
	3035	13 May	2200	1540	4575
	3043	13 May	2200	1540	4583
	3270	13 May	2200	1540	4810
	4660	4 June	5620	3940	8600
	4775	31 May	5620	3940	8715
	5448	7 June	5630	3940	9388
	7570	13 May	2200	1540	9110

* For Monitors leaving on 1st June or later – a dosage of .400 mr was allowed for Item Shot fallout. This is a close approximation as shown from badges that were worn from 12 May to 4 June and then developed. Records show that heavy rains around 1 June – decreased the background considerably.



D-5

Brunhouse- F.B.	F.A.	Total	Range	Tot
2.43	3.99	6.42	—	6.4
2.26	3.78	6.04	—	6.0
4.22	3.99	8.21	.08	8.2
1.1				
2.06	3.99	6.05	—	6.0
2.63	3.99	6.62	—	6.62
1.5.1				
5.47	2.98	8.45	1.07	9.52
5.22	3.99	9.21	3.58	12.79
3.29	3.99	7.28	1.17	8.45
5.15	1.55	6.70	1.73	8.43
5.84	3.99	9.83	.31	10.14
2.58	3.99	6.57	—	6.5
5.51	1.55	7.06	.80	7.8
4.97	3.99	8.96	—	8.96
1.5.3				
2.54	3.99	6.53	—	6.53
4.88	3.99	8.87	—	8.87
2.18	3.99	6.17	—	6.17
2.45	3.99	6.44	—	6.44

Name	F. B.	Residence	Bkgd	70% Bkgd	Total
	1.40	3/1 to 5/29	5.70	3.99	5.3[illegible]
	1.77	3/12 to 5/13	2.22	1.55	3.3[illegible]
	—	3/1 to 5/29	5.70	3.99	3.99
	1.24	3/1 to 5/29	5.70	3.99	5.23
	.03	3/1 to 4/28	1.86	1.30	1.33
	.25	3/1 to 5/29	5.70	3.99	4.24
	.52	3/1 to 5/29	5.70	~~[illegible]~~ 3.99	4.51
	.77	3/1 to 6/5	5.70	3.99	4.76
	.75	3/1 to 6/5	5.70	3.99	4.74
	1.93	2/27 to 4/30	1.94	1.36	3.29
	.31	3/1 to 6/5	5.70	3.99	4.30
	.11	3/1 to 5/29	5.70	3.99	4.10
	—	3/1 to 6/5	5.70	3.99	3.99
	1.48	3/1 to 5/29	5.70	3.99	5.47
	.37	4/15 to 5/16	.87	.61	.98
	.46	3/1 to 6/6	5.70	3.99	4.45
	—	3/1 to 5/18	2.22	1.55	1.55

NRDL [illegible]

Name	Film badge (r)	Fall-out (r)	Total (r)
	.56	.95	1.51
	.75	1.09	1.84
	1.03	1.55	2.58
	.49	1.06	1.55
	.32	1.30	1.62
	.35	1.53	1.88
	No travel performed		
	.73	1.15	1.88
	.61	1.21	1.82
	.51	.43	.94
	.93	1.55	2.48
	.32	1.55	1.87
	.30	1.25	1.55
	1.18	1.55	2.73
	.54	.64	1.18
	1.47	1.55	3.02
		.41	.41
	No travel performed		
	.30	1.55	1.85
	0	.38	.38
	1.24	1.55	2.79
	.51		.51
		1.53	1.53
	.34	1.33	1.67
	.72	.95	1.67
	.69	1.55	2.24
	.28	.38	.66
	.26	1.30	1.56
		1.53	1.53
	.91	1.55	2.46
	1.00	1.55	2.55
	1.32	1.55	2.87
	.52	.43	.95
	.70	1.55	2.25
	1.12	1.80	2.92

PRIVACY ACT MATERIAL REMOVED

Greenhouse

PRIVACY ACT MATERIAL REMOVED

Organ

Name

	F. B. Exposure	First overspray	Pckgd	70% Pckgd	Total
V.J.P.	—	4/2 to 4/8	10	7	7
	80mm	4/15 to 4/19	140	98	178
	—	4/2 to 4/21	1550	1085	1085
	—	4/2 to 4/8	10	7	7
	—	4/2 to 4/8	10	7	7
	—	5/5 to 5/10	100	70	70
	—	5/5 to 5/10	100	70	70
	—	4/13 to 4/19	285	180	180
	80mm	4/15 to 4/19	135	95	175
	—	5/5 to 5/10	100	70	70
	—	4/2 to 4/8	10	7	7
	—	4/13 to 4/19	285	180	180
	—	4/2 to 4/8	10	7	7
	45mm	4/13 to 4/19	285	180	275
	—	5/5 to 5/10	100	70	70
	40mm	4/13 to 4/19	285	180	220
	65mm	4/15 to 4/19	135	95	160
Rg-TG 3.1	50	2/28 to 5/7	2190	1533	1583
		5/18 to 5/27	2620	~~1834~~	1834
	—	4/5 to 4/12	1080	756	756
		5/6 to 5/10	70	49	805
	68	4/21 to 5/27	~~670~~ 3290	~~469~~ 2303	~~537~~ 2371
	—	2/25 to 5/27	~~2220~~ 4840	~~1554~~ 3392	~~1554~~ 3392
	—	5/2 to 5/12	210	147	147
	—	5/3 to 5/10	160	112	112
	—	5/5 to 5/10	100	70	70
	—	5/20 to 5/29	3480	2436	2436
	0	4/21 to 5/23	670	~~469~~	~~469~~
	180	3/30 to 4/11	900	630	810
	240	2/25 to 5/27	~~2220~~ 4840	~~1554~~ 3392	~~1994~~ 3632
	—	5/6 to 5/12	80	56	56
	—	3/23 to 4/9	320	224	224
	240	5/1 to 5/18	240	168	408

PRIVACY ACT MATERIAL REMOVED

Org.	Name	F.B.	Residence	Bkgd	70% Bkgd	Total Exposure
Hq-T62		510	3/1 to 4/23	1635	1145	1655
		[illegible]	4/2 to 4/12	1080	756	756
		870	4/15 to 4/29	550	385	1255
		60	4/5 to 5/28	3710	2597	2657
		215	1/9 to 3/22	—	—	
			4/5 to 5/14	2220	1554	1769
			~~5/4 to 5/14~~			
		235	5/6 to 5/14	90	63	298
		230	4/2 to 4/14	1290	903	1133
		160	5/3 to 5/14	180	126	286
		—	5/6 to 5/14	90	63	63
		—	3/13 to 4/15	1460	1022	1022
						2941
		—	2/28 to 4/25	1730	1211	2429
			5/5 to 5/27	1740	1218 ~~74~~	~~+295~~
						3333
		—	3/2 to 5/15	2220	1554	1554
		235	3/9 to 5/27	3840 ~~2220~~	2688 ~~1554~~	2923 ~~1889~~
		—	4/5 to 6/4	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
		—	1/22 to 5/21	2220	1554	1554
		—	3/9 to 5/27	3840 ~~2220~~	2688 ~~1554~~	2688 ~~1554~~
		—	2/27 to 5/27	3840 ~~2220~~	2688 ~~1554~~	2688 ~~1554~~
		—	3/13 to 5/31	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
		—	2/13 to 5/27	3840 ~~2220~~	2688 ~~1554~~	2688 ~~1554~~
		—	1/22 to 5/31	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
		—	2/27 to 5/27	3840 ~~2220~~	2688 ~~1554~~	2688 ~~1554~~
		—	2/23 to 5/25	2220	1554	1554
		—	3/14 to 5/18	2220	1554	1554
		—	3/9 to 6/20	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
		—	3/31 to 6/8	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
		—	3/9 to 5/23	2220	1554	1554
		—	3/19 to 5/14	2220	1554	1554
		—	1/22 to 6/20	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
		—	2/23 to 5/29	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
		—	3/9 to 5/22	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
		—	3/16 to 5/31	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~

D-1

PRIVACY ACT MATERIAL REMOVED

Org.				
D-1				
F.B.	Residence	Pkgd	70% Pkgd	Total Exp.
—	3/14 to 5/6	2130	1491	1491
—	3/9 to 5/31	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
—	3/9 to 6/20	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
160	3/13 to 5/31	5700 ~~2220~~	3990 ~~1554~~	4140 ~~1554~~
D-2				
—	1/22 to 2/10	—	—	
	3/12 to 4/21	1550	1085	
	5/3 to 6/8	3650 ~~170~~	2555 ~~119~~	3640 ~~1204~~
75	2/24 to 6/8	5700 ~~220~~	3990 ~~1554~~	~~1629~~ 2000 ~~1554~~ Rolls
—	12/8 to 4/8	10	7	
	4/17 to 6/2	4265 ~~786~~	2986 ~~550~~	2993 ~~559~~
200	2/10 to 4/8	10	7	
	4/17 to 5/9	700	490	697
0	1/8 to 2/10	—	—	
	4/2 to 5/10	2200	1540	1540
0	3/17 to 5/29	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
D-3				
0	2/25 to 5/28	5420 ~~2220~~	3794 ~~1654~~	3794 ~~1654~~
—	2/5 to 6/1	5700 ~~2220~~	3990 ~~1654~~	3990 ~~1554~~
—	2/6 to 6/1	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
1405	2/23 to 5/27	4820 ~~2220~~	3374 ~~1654~~	4779 ~~2954~~
—	3/3 to 5/27	4820 ~~2220~~	3374 ~~1554~~	3374 ~~1554~~
—	4/5 to 4/21	1550	1085	1085
—	2/27 to 5/5	2100	1470	1470
—	5/21 to 6/6	4150 ~~670~~	2905 ~~464~~	2905 ~~464~~
—	2/17 to 5/25	2220	1554	1554
—	12/5 to 3/1	—	—	
	3/17 to 5/29	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
—	1/9 to 1/21	—	—	
	2/23 to 5/27	4840 ~~2220~~	3388 ~~1554~~	3388 ~~1554~~
—	2/27 to 6/1	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
—	2/27 to 5/6	2180	1526	1526
—	2/13 to 5/27	4840 ~~2220~~	3388 ~~1554~~	3388 ~~1554~~
—	1/22 to 5/27	4840 ~~2220~~	3388 ~~1554~~	3388 ~~1554~~
—	1/12 to 1/26	5700	3990	3990
	3/2 to 5/29	~~2220~~	~~1554~~	~~1554~~

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

	F.B.	Residence	Bkgd	70% Bkgd	Total Eq
Org. D-4	720	12/9 to 6/6	5700 ~~2220~~	3990 ~~1554~~	~~2274~~
	—	12/9 to 6/6	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
	0	12/24 to 5/24	2220	1554	1554
	—	12/24 to 6/18	5700 ~~2220~~	3990 ~~1664~~	3990 ~~1554~~
	0	12/3 to 6/2	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
	—	12/13 to 6/4	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
	80	1/12 to 1/26	—	—	
		3/9 to 6/3	5700 ~~2220~~	3990 ~~1554~~	~~1634~~ ~~1554~~ 4
	—	4/13 to 6/4	4500 ~~1020~~	3150 ~~714~~	~~714~~ 31
	—	10/15 to 2/4	—	—	
	—	2/27 to 5/27	4840 ~~2220~~	3388 1654	3388 ~~1554~~
	0	3/21 to 5/31	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
	0	12/3 to 5/29	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
		[illegible]			
	—	4/27 to 6/20	5700 ~~2220~~	3990 ~~1554~~	3990 ~~1554~~
D-5	210	3/13 to 5/26	3860 ~~5700~~ ~~2220~~	2660 ~~3990~~ ~~1554~~	2870 ~~1764~~ ~~1554~~ 420
	—	5/3 to 5/12	160	112	112
	—	5/5 to 5/12	110	77	77
	875	3/13 to 5/27	4840 ~~2220~~	3388 ~~1554~~	4263 ~~2429~~
	—	5/5 to 5/12	110	77	77
	—	4/2 to 4/12	1085	760	760
	—	4/12 to 4/24	600	420	420
Hq-3.1.1	2270	3/13 to 5/26	3820 ~~2220~~	2674 ~~1554~~	4944 ~~3824~~
	1320	1/9 to 2/3	—	—	
		3/4 to 5/29	5700 ~~2220~~	3990 ~~1554~~	5310 ~~2874~~
	395	3/29 to 5/26	3820 ~~2220~~	2674 ~~1554~~	3069 ~~1949~~
	933	8/13 to 5/21	2220	1554	2487
	2145	3/20 to 5/17	2220	1554	3700
	2430	1/24 to 5/29	5700 ~~2220~~	3990 ~~1554~~	6420 ~~3984~~
	920	12/9 to ?	—	—	
		3/13 to 5/17	2220	1554	2474
	2262	2/28 to 5/28	5420 ~~2220~~	3794 ~~1554~~	~~3816~~ 6056
	4215	3/29 to 5/29	5700 ~~2220~~	3990 ~~1554~~	~~5769~~ 82

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Org.	Name	F.B.	Residence	Bkgd	70% Bkgd	Total Exp
Hq-3.1.1		880	4/13 to 4/24	485	340	1220
		—	4/2 to 4/10	620	434	434
		1875	4/13 to 4/24	485	340	2215
		—	4/2 to 4/10	620	434	434
		—	4/2 to 4/18	1460	1022	1022
		950	4/15 to 5/13	870	609	1559
		—	5/1 to 5/13	240	168	168
		—	4/2 to 4/18	1460	1022	1022
		270	4/2 to 4/10	620	434	704
		115	4/10 to 4/24	1065	746	861
		360	4/15 to 5/14	870	609	969
		740	4/24 to 5/26	~~535~~ 2135	~~376~~ 1496	~~1115~~ 2235
		—	5/3 to 5/12	175	123	123
		730	4/13 to 4/23	435	305	1040
		—	5/3 to 5/10	160	112	112
		—	5/4 to 5/14	140	98	98
		4090	4/2 to 4/14	1280	876	4966
1.5.1		5470	2/26 to 4/8	10	7	8463
			4/17 to 6/3	~~786~~ 4266	~~550~~ 2984	~~6029~~
		3015	1/21 to 2/3	—	—	
			3/1 to 5/16	2220	1554	4569
		5220	2/26 to 3/8	—	—	9210
			3/17 to 6/11	~~2220~~ 5700	~~1554~~ 3990	~~6794~~
		3290	3/10 to 5/29	~~2220~~ 5700	~~1554~~ 3990	~~4844~~ 7280
		850	2/26 to 5/28	~~2220~~ 5420	~~1554~~ 3794	~~2404~~ 4644
		1455	2/26 to 5/1	1980	1386	2841
		—	2/5 to 6/2	~~2220~~ 5700	~~1554~~ 3990	~~1554~~ 3990
		5145	2/28 to 5/24	2220	1554	6700
		—	3/6 to 3/20	—	—	—
		—	3/3 to 4/13	1200	840	
			5/2 to 5/29	~~170~~ 3650	~~119~~ 2535	~~959~~ 3395
		—	3/6 to 4/19	1485	1040	1040
		5840	3/9 to 5/29	~~2220~~ 5700	~~1554~~ 3990	~~7394~~ 9830

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Org.	Name	F.B.	Riding	Bkgd	70% Bkgd	Total Exp.
1.5.1		2580	2/5 to 6/2	5700 ~~2220~~	3990 ~~1554~~	~~4134~~ 6570
		5510	2/28 to 5/24	2220	1554	7064
		4965	2/5 to 6/3	5700 ~~2220~~	3990 ~~1554~~	~~6519~~ 8955
1.6		60	3/12 to 5/28	5420 ~~2220~~	3794 ~~1554~~	3854 ~~2054~~ ~~1614~~
		—	3/25 to 5/18	2220	1554	1554
		415	3/18 to 4/29	1900	1330	1745
		0	3/9 to 4/21	1550	1085	1085
		365	3/9 to 4/27	1820	1274	1639
		210	3/9 to 4/27	1820	1274	1484
		130	3/4 to 4/27	1820	1274	1404
1.7		900	5/22 to 5/25	—	—	900
		640	5/22 to 5/25	—	—	640
		—	5/22 to 5/25	—	—	—
		1925	3/12 to 5/27	4840 ~~2220~~	3388 ~~1554~~	5313 ~~3479~~
		2375	3/4 to 5/31	5700 ~~2220~~	3990 ~~1554~~	6365 ~~3929~~
		~~1415~~	~~4/15 to 5/25~~			
		300	4/5 to 4/8	10	7	307
		2600	1/17 to 5/26	3920 ~~2220~~	2674 ~~1554~~	5274 ~~4154~~
		300	4/16 to 4/21	150	105	405
		2733	4/1 to 5/26	3820 ~~2220~~	2674 ~~1554~~	5407 ~~4287~~
		70	6/6 to 5/9	45	32	102
		1695	3/12 to 5/27	4840 ~~2220~~	3388 ~~1554~~	5083 ~~3249~~
		880	4/5 to ?			
			5/22 to 5/25	—	—	
		360	4/5 to 4/8	10	7	367
		1075	3/12 to 5/26	3820 ~~2220~~	2674 ~~1554~~	3749 ~~2629~~
		1670	3/12 to 5/26	3820 ~~2220~~	2674 ~~1554~~	4344 ~~3224~~
		2185	3/4 to 5/26	2220	1554	3639
		3785	3/4 to 5/31	5700 ~~2220~~	3990 ~~1554~~	~~5339~~ 7775
		225	4/16 to 4/21	150	105	330
		—	3/18 to 3/29	—	—	—

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Org	Name	F.B.	Residence	Bkgd	70% Bkgd	Total Eff.
1.7		600	5/4 to 5/19	145	102	702
		1808	3/4 to 5/31	5700 ~~2220~~	3990 ~~1554~~	5798 ~~3362~~
		400	4/5 to 4/8	10	7	407
		50	5/6 to 5/9	60	42	92
		130	4/16 to 4/21	150	105	235
		—	3/12 to 5/28	5420 ~~2220~~	3794 ~~1554~~	3794 ~~1554~~
		4.9 ~~5705~~	3/4 to 5/25	2220	1554	6.45 ~~7259~~
		1540	3/12 to 5/28	5420 ~~2220~~	3794 ~~1554~~	5234 ~~3094~~
		70	5/6 to 5/9	60	42	112
		—	3/12 to 5/26	3820 ~~2220~~	2674 ~~1554~~	2674 ~~1554~~
		—	3/18 to 3/29	—	—	—
		4240	3/12 to 5/31	5700 ~~2220~~	3990 ~~1554~~	~~5794~~ ~~5794~~ 8230
		520	4/16 to 4/21	150	105	625
		280	3/17 to 5/27	4840 ~~2220~~	3388 ~~1554~~	3668 ~~1834~~
1.11		—	5/17 to 6/30	3480	2436	2436
		50	4/29 to 5/29	3800 ~~320~~	2660 ~~224~~	2710 ~~274~~
		~~—~~	~~2/1 to 2/15~~	~~5~~		
		70	5/3 to 5/11	160	112	182
		0	3/17 to 5/26	3820 ~~2220~~	2674 ~~1554~~	2674 ~~1554~~
		—	5/17 to 6/30	3480	2440 ~~2660~~	2440 ~~2660~~
		—	5/3 to 5/11	160	112	112
		0	3/17 to 5/13	2220	1554	1554
		—	5/5 to 6/15	3600 ~~120~~	2520 ~~84~~	2520 ~~84~~
		—	2/5 to (?)			
			5/3 to 5/13	170	119	289
		—	4/13 to 5/28	~~1062~~ 4220 ~~1020~~	2954 ~~714~~	~~714~~ 2954
		—	5/17 to 6/30	3480	~~2660~~	~~2660~~
			3/6 to 5/25	2220	1554	1554
			3/17 to 5/21	2220	1554	1554
			3/17 to 5/13	2220	1554	1554
		—	1/5 to 4/8	10	7	7
			5/17 to 6/5	3480	~~2660~~	~~2660~~
			4/29 to 5/28	~~320~~ 3520	2464 ~~224~~	~~334~~ 2574
			3/15 to 5/27	4840 ~~2220~~	3388 ~~1554~~	3388 ~~1554~~

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Org.	Name	F.B.	Residence	Bkgd	70% Bkgd	Total Exp.
1.10		—	? to 5/26			
				3120 ~~2220~~	2184 ~~1554~~	2489 ~~1859~~
		305	3/17 to 5/26			4594 ~~2200~~
		2200	5/18 to 5/29	3420	2394	
		1205	5/3 to 5/16	170	119	1324
		670	3/17 to 5/28	5260	3682	4352
		225	3/25 to 5/26	3140	2198	2423
		—	12/28 to 5/21	2220	1554	1554
		50	5/3 to 5/11	160	112	162
		75	3/17 to 5/26	3140	2198	2273
		—	5/18 to 5/29	3420	2394	2394
3.1.2		~~5440~~	~~1/17 to 5/27~~			
		1550	1/9 to 5/16	2220	1554	3104
		—	(?) to 5/11	~~4580~~	~~3206~~	~~2206~~
		1655	1/9 to 5/27	4580	3206	4861
		~~2180~~	~~1/15 to 6/7~~			
		1020	3/26 to 5/13	2210	1547	2567
		150	3/12 to 5/5	2100	1470	1620
		918	3/14 to 5/17	2220	1554	2472
		2080	3/12 to 5/27	4580	3206	5286
		2290	3/12 to 5/19	2220	1554	3844
		1865	3/12 to 5/27	4580	3206	5071
3.1.3		0	2/13 to 5/14	2220	1554	1554
		430	3/23 to 4/13	1200	840	1270
		—	3/1 to 5/14	2220	1554	1554
		300	3/13 to 5/16	2220	1554	1854
		185	3/13 to 5/12	2210	1547	1732
Proj. 5		990	2/28 to 5/19	2220	1554	2544 ~~1554~~
3.1.4		~~SW~~	~~3/10 to 5/14~~			
		—	3/31 to 4/23	1640	1148	1148
		—	3/10 to 4/8	10	7	7
		—	5/5 to 5/25	120	84	84

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

Org.	Name	F.B.	Residence	Bkgd	70% Bkgd	Total Exp
3.1.4		—	5/5 to 5/27	2380	1736	1736
		0	3/9 to 5/11	2210	1547	1547
		—	4/15 to 5/11	860	602	602
		0	4/15 to 5/11	860	602	602
		—	5/2 to 5/14	210	147	147
		515	3/10 to 5/27	4580	3206	3721
		190	3/24 to 5/27	4580	3206	~~[illegible]~~ 3396
		-	5/5 to 5/27	2380	1736	1736
		—	3/24 to 5/25	2220	1554	1554
		—	4/7 to 4/23	1640	1148	1148
		—	3/31 to 4/10	620	434	434
		—	5/6 to 5/26	1040	728	728
31.5		3750	4/13 to —			
		6080	3/28 to 5/29	5700	3990	10070
		820	3/28 to 4/29	1900	1330	2150
		4550	3/12 to 5/29	5700	3990	8540
		1914	3/4 to 5/16	2220	1554	3468
		4500	1/9 to 5/27	4580	3206	7706
		2860	4/13 to 5/17	1020	714	3574
		2900	5/23 to 6/30	~~5700~~ 3.50	~~3990~~ 2.45	~~6890~~ 5.35
		3. 1000	4/11 to 5/17	1320	924	1924
		3885	4/13 to 5/17	1020	714	4599
		4435	3/28 to 5/30	5700	3990	8425
3.1.6		—	3/12 to 6/1	5700	3990	3990
		—	3/12 to 5/13	1200	840	840
		—	3/12 to 6/1	5700	3990	3990
		1660	3/14 to 6/4	5700	3990	5650
		1020	3/12 to 5/13	2210	1547	2567
		365	3/14 to 6/4	5700	3990	4355
		95	4/22 to 5/13	610	427	522
		2150	3/14 to 6/4	5700	3990	6140
		100	3/12 to 5/11	2210	1547	1647
		—	3/4 to 5/3	2050	1435	1435
		145	(?) to 5/10			

PRIVACY ACT MATERIAL REMOVED

PRIVACY ACT MATERIAL REMOVED

rg	Name	F.B.	Residence	Bkgd	70% Bkgd	Total Ex
		—	3/14 to 4/25	1730	1211	1211
		340	1/9 to 5/28	5420	3794	4134
		—	5/16 to 5/28	3200	2240	2240
		180	2/27 to 3/5	—	—	512
			4/16 to 4/28	460	332	~~332~~
		1525	12/17 to 6/30	5700	3990	5515
		—	10/28 to 3/25	—	—	—
		—	1/9 to 2/15	—	—	—
		—	1/9 to 2/15	—	—	—
		—	5/26 to 6/15	1890	1323	1323
		—	1/9 to 4/5	—	—	—
		—	5/6 to (?)	3580	2506	2506
		215	1/9 to 3/22	—	—	—
			4/5 to 5/14	2220	1554	1769

PRIVACY ACT MATERIAL REMOVED